R, D, T and E Programs (R-1) Department of Defense Budget for Fiscal Year 1985

(U.S.) Department of Defense, Washington, DC

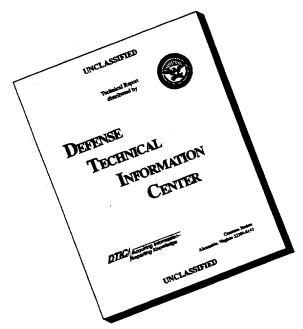
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# R, D, T & E PROGRAMS (R-1)



DEPARTMENT OF DEFENSE BUDGET FOR FISCAL YEAR 1985 FEBRUARY 1, 1984

<u> 50272 - 101</u> 2. 3. Recipient's Accession No. 1. REPORT NO. REPORT DOCUMENTATION PAGE PB84-146042 4. Title and Subtitle 5. Report Date Research, Development, Test and Evaluation Program (R-1), February 1, 1984 Department of Defense Budget for Fiscal Year 1985 8. Performing Organization Rept. No. The Assistant Secretary of Defense (Comptroller) R-19. Performing Organization Name and Address 10. Project/Task/Work Unit No. The Department of Defense 11. Contract(C) or Grant(G) No. Washington, DC 20301 12. Sponsoring Organization Name and Address 13. Type of Report & Period Covered The Department of Defense FY 1985 Washington, DC 20301 14. 15. Supplementary Notes

16. Abstract (Limit: 200 words)

This document provides details of the request for the FY 1985 Research, Development, Test and Evaluation (R,D,T&E) Program of the Department of Defense. It is derived from and is consistant with the DoD Five Year Defense Program R,D,T&E Annex data base.

17. Document Analysis a. Descriptors

Department of Defense

Development

R-1

FY 1985 Budget

Test

Evaluation

Research

R,D,T&E Program

b. Identifiers/Open-Ended Terms

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#### Preface

The R.D.T.&E. Programs (R-1) exhibit is derived from and consistent with the DoD Five Year Defense Program R.D.T.&E. Annex data base.

transmission by the President of the Budget of the United States Government. It is accompanied by an automated data base submission to the House Committee on Administration for input to the House Information System. An The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the unclassified version is provided to OASD(PA) for use by non-DoD activities.

Office of the Assistant Secretary of Defense Comptroller

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EXHIBIT R-1

	SUMMARY		DATE: 0	DATE: 01 FEB 1984
			THOUSANDS OF DOLLARS	OF DOLLARS
	FY 1983	FY 1984	FY 1985	FY 1986
SUMMARY BY APPROPRIATION	1 1 1 1 1 1 1	8 1 1 1 1 1 1	1 1 1 1 1 1 1	
RESEARCH DEVELÖPMENT TEST + EVAL, ARMY	3, 895, 283	4,259,375	4,987,100	5,355,078
RESEARCH DEVELÖPMENT TEST +. EVAL, NAVY	6, 100, 131	7,571,718	9,826,076	11,676,119
RESEARCH DEVELÖPMENT TEST + EVAL, AIR FÖRCE	10,621,181	12, 220, 706	14,401,955	13,720,719
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	4,707,906	7,091,251
DIRECTOR OF TEST + EVALUATION, DEFENSE	55,000	49,000	62,000	72,055
TÖTAL RESEARCH, DEVELÖPMENT, TEST & EVALUATIÖN	22,824,784	. 26,868,219	33,985,037	37,915,222
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	787,202	939,688	899,844	1,024,507
EXPLORATORY DEVELOPMENT	2,450,853	2, 202, 489	2,326,919	2,643,750
ADVANCED DEVELOPMENT	3,823,700	5,947,736	7,693,342	11,401,923
ENGINEERING DEVELOPMENT	8,628,421	9, 203, 300	12,010,427	10,761,347
MANAGEMENT AND SUPPORT	2,242,760	2, 332, 663	2,514,680	2,811,468
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	17,932,936	20, 525, 884	25,445,212	28, 642, 995
ØPERATIØNAL SYSTEMS DEVELØPMENT	4,891,848	6,342,335	8,539,825	9,272,227
TÖTAL RESEARCH, DEVELÖPMENT, TEST & EVALUATIÖN	22,824,784	26,868,219	33,985,037	37, 915, 222

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DEPARTMENT OF DEFENSE FY 1985 R D T & E PROGRAM

SUMMARY

EXHIBIT R-1

DATE: 01 FEB 1984

			THGUSANDS	THGUSANDS OF DOLLARS
	FY 1983	FY 1984	FY 1985	9
SUMMARY RECAP OF BUDGET ACTIVITIES	1 1 1 1 1 1 1 1 1 1 1 1	t 1 1 1 1 1		
TECHNOLOGY BASE	3, 238, 055	3,042,185	3,226,250	3,667,205
ADVANCED TECHNÖLÖGY DEVELÖPMENT	822, 525	1,386,195	3,421,028	5,673,076
STRATEGIC PROGRAMS	5,825,208	7,842,682	8, 735, 235	7,968,757
TACTICAL PROGRAMS	7,254,970	7,908,741	10,510,057	11,853,968
INTELLIGENCE AND COMMUNICATIONS	2, 708, 625	3,404,186	4,215,671	4,605,301
DEFENSEWIDE MISSION SUPPORT	2,975,401	3,284,230	3,876,796	4,146,915
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	22, 824, 784	26, 868, 219	33, 985, 037	37,915,222
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	774, 282	736, 033	871,572	848, 333
GENERAL PURPGSE FØRCES	1,174,705	1,431,713	2,077,144	2,270,114
INTELLIGENCE AND COMMUNICATIONS	2,911,413	4,091,818	5, 296, 465	5,750,749
AIRLIFTSEALIFT	9,604	11,190	33,116	28,443
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	17,932,936	20,525,884	25,445,212	28, 642, 995
CENTRAL SUPPLY AND MAINTENANCE	16, 988	63,858	250,558	362,207
TRAINING MEDICAL AND CITHER		2,846	7,208	7,517
SUPPORT OF OTHER NATIONS	4,856	4,877	3,762	4,864
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	22, 824, 784	26,868,219	33, 985, 037	37,915,222
			PAGE 111	

#### ARMY

# DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

SUMMARY

EXHIBIT R-1

DATE: 01 FEB 1984

			THOUSANDS	OF DOLLARS
	FY 1983	FY 1984	FY 1985	FY 1986
SUMMARY RECAP OF RESEARCH CATEGORIES				
5 13/30 /0	206, 152	217,461	238,808	260,920
ADVANCED DEVELOPMENT	1,123,496	1,325,842	1,244,509	1,477,033
ENGINEERING DEVELOPMENT MANAGEMENT AND SUPPORT	989, 669 803, 200	1,035,530 830,447	1,410,309 864,589	1,380,124 1,037,595
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6) OPERATIONAL SYSTEMS DEVELOPMENT	3,591,533	3,879,005	4,307,141	4,715,864
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,895,283	4, 259, 375	4,987,100	5,355,078
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE  TECHNOLOGY BASE  AND AND THE CHINE GOV DEVEL COMENT	675,168	687, 186	787,734	821,112
STRATEGIC PROGRAMS	527,434	514,693	227,033	218,448
TACTICAL PROGRAMS	1,499,672	1,814,104	2, 329, 995	2,346,054
INTELLIGENCE AND COMMUNICATIONS	75, 809	76,913	67,572	75, 366
DEFENSEWIDE MISSION SUPPORT	816,224	848,770	1,017,428	1,241,757
TOTAL RESEARCH DEVELÖPMENT TEST + EVAL, ARMY	895, 28	259,37	987,	5,355,078
SUMMARY RECAP OF FYDP PROGRAMS				

147,707 246,544 88,046 4,715,864 156,917

198,378 298,519 79,098 4,307,141 103,964

36,239 262,264 81,867 3,879,005

51,909 195,199 56,642 3,591,533

5,355,078

4,987,100

4,259,375

3,895,283

RESEARCH DEVELOPMENT TEST + EVAL, ARMY

TOTAL

STRATEGIC FÖRCES GENERAL PURPÖSE FÖRCES INTELLIGENCE AND CÖMMUNICATIÖNS RESEARCH AND DEVELÖPMENT (FYDP PRÖGRAM 6) CENTRAL SUPPLY AND MAINTENANCE

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

200	APPROPERTATION:					Š	
č		AC40 A RESEARCH DEVELOPMENT TEST + EVAL,	ARMY	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DATE: 01	FEB 1984
			1			THOUSANDS OF	DØLLARS
N N N N N N	ELEMENT	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
-	61101A	IN-HOUSE LAB INDEPENDENT RESEARCH		21,902	21,862	24, 483	25 710 11
Ņ	61102A	DEFENSE RESEARCH SCIENCES	•	184,250	195, 599	214,325	235.210 U
ო	62105A	MATERIALS	-	10,488	10,807	11,896	9,884 U
4	62111A	ATMOSPHERIC INVESTIGATIONS	-	5,031	4,410	4,965	8,852 U
IO.	62120A	NUCLEAR WEAPONS EFFECTS/FLUIDICS	-	8,269	8,351	8,500	7,526 U
ဖ	62201A	AIRCRAFT WEAPONS TECHNOLOGY	-	6,484	2,832	3,146	3,372 U
7	62202A	AIRCRAFT AVIØNICS TECHNØLØGY		8,353	7,157	8,023	8,764 U
æ	62209A	AERGNAUTICAL TECHNOLOGY	-	21,050	22,215	27,086	28,649 U
Ø	62210A	AIRDRØP TECHNØLØGY	-	1,521	1,568	1,798	2,097 U
0	62303A	MISSILE TECHNÖLÖGY	-	29, 273	30,607	31,177	34,382 U
=	62307A	LASER WEAPON TECHNOLOGY	-	41,806	19,649	21,188	22,271 U
12	62601A	TANK AND AUTÖMÖTIVE TECHNÖLÖGY	<b>-</b>	17,772	20,980	23,051	23,127 U
13	62603A	LARGE CAL AND NUCLEAR TECHNOLOGY	-	15,712	19,675		
4	62617A	SMALL CAL AND FIRE CNTRL TECHNOLOGY		9,676	9,013	9, 161	6,533 U
ក	62618A	BALLISTICS TECHNÖLÖGY	***	25, 575	34,596	47,916	41,558 U
16	62622A	CHEMICAL AND SMOKE MUNITIONS	-	13,675	12,732	12,582	
17	62623A	JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP)	-	4,522	4,266	4,520	4,062 U
9	62701A	COMMUNICATIONS TECH	-	10,079	12,417	16,285	22,823 U
,	1001						

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4,398 U

4,768 2,915

3,823

2,621 17,953

1,790 3,147

62703A COMBAT SURVEILL TARGET ACQUIS & IDENT

MIL ENVIRONMENTAL CRITERIA DEV

62704A

20

2

9

62705A ELECTRICAL AND ELECTRÓNIC DEVICES

17,173

21,247 U 3,107 U

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PAGE

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DEPARTMENT OF THE ARMY
FY 1985 R D T & E PROGRAM

EXHIBIT R-1

			)	2001	-	I N	וארוטון ג-ו
APPR	APPROPRIATION:	2040 A RESEARCH DEVELÖPMENT TEST + EVAL, ARMY	RMY			_	FEB 1984
			1			THOUSANDS OF DOLLARS	!
LINE NG NG	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT		¥ 19	FY 1985	FY 1986 C
22	62706A	CHEM BIOLOGICAL DEF & GEN INVEST	-	30,150	ო	n	34
23	62707A	MAPPING - GEÖDESY	-	6, 124	7,369	8,648	9,276 U
24	62709A	NIGHT VISION INVESTIGATIONS	-	12,000	16,213	21,229	22,464 U
22	62715A	TACTICAL ELECTRONIC WARFARE TECHNOLOGY	-	9,882	7,892		
56	62716A	HUMAN FACTORS ENG SYS DEV	-	9,515	9,825	11,468	15,271 U
27	62717A	HUMAN PERFÖRMANCE EFFECT/SIMULATIÖN	-	3,571	3,877	4,776	5,323 U
28	62719A	MOBILITY AND WEAPONS EFFECTS TECH	-	7,479	8,241	9,217	9,257 U
59	62720A	ENVIRGNMENTAL QUALITY TECH	-	7,794	8,060	11,184	8,846 U
30	62722A 1	MANPOWER/PERSONNEL/TRAINING	-	6,051	6, 556	7,913	8,109 U
91	62723A (	CLOTHING EQUIP AND SHELTER TECH	•-	7,982	6,092	8,605	8,383 U
32	62724A	JT SVC FØØD SYS TECH		5,580	5,639	6,013	6,521 U
33	62725A (	COMPUTER AND INFORMATION SCIENCE	-	1,961	1,944	2,216	2,255 U
8	62727A N	NONSYSTEMS TRAINING DEVICES TECH (NSTD)	-	2,515	3,365	4,528	5,241 U
35	62730A (	COLD REGIONS ENGINEERING TECHNOLOGY	-	6,243	6,437	7,423	7,647 U
36	62731A N	MILITARY FACIL!TIES ENGINEERING TECHNÖLÖGY	-	4,138	4,127	4,597	4,828 U
37	62733A N	MÖBILITY EQUIPMENT TECHNÖLÖGY	-	12,723	10,981	11,807	13,770 U
38	62734A N	MED DEFENSE AGAINST CHEM AGENTS	-	23,144	25,510	30,890	30,279 U
39	62746A T	TACTICAL ADP TECH	-	6,891	5,898	7,893	9,242 U
0	62770A M	MILITARY DISEASE HAZARDS TECH	<b>-</b>	25, 596	24,393	22,120	22,940 U
4	62772A C	COMBAT CASUALTY CARE TECH	-	6,729	7,011	8,513	8,707 U
4 0	62775A C	CCMBAT MAXILLOFACIAL INJURY	<b>;</b>	2,102	2,461	2,249	2,195 U

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DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

EXHIBIT R-1	DATE: 01 FEB 1984	
FY 1985 R D T & E PROGRAM		
FY 1985	APPRÖPRIATIÖN: 2040 A RESEARCH DEVELÖPMENT TEST + EVAL, ARMY	

APPRO	APPROPRIATION:	: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY			1	DATE: 01 FE	FEB 1984
			!			THOUSANDS OF	F DØLLARS
NG P	ELEMEN   NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
<b>6</b>	62777A	SYSTEMS HEALTH HAZARD PREVENT TECH	-	16,434	17,496	18,491	19,725 U
4	62781A	ENERGY TECH APPL FOR MILITARY FACIL	-	3,016	1,754	2, 12	2,242 U
•	TECHNG	TECHNOLOGY BASE		675,168	687, 186	787,734	821,112
4 5	63102A	MATERIALS AND STRUCTURES ADVANCED DEVELOPMENT	8	8,460	5, 691	9,634	17,544 U
46	63104A	FUELS AND LUBRICANTS ADVANCED DEVELCPMENT	Q	1,109	2,037	4,972	5,227 U
47	63201A	AIRCRAFT POWER PLANTS AND PROPULSION	α	7,129	14,468	22,728	42,449 U
8	63206A	AIRCRAFT WEAPONS	N		5, 791	7,924	9,855 U
6	63207A	AIRCRAFT AVIÖNICS EQUIPMENT	αi	2,606	4,127	30,259	13,162 U
20	63209A	AIR MÖBILITY SUPPÖRT	N	3,340	7,037	8,202	8,379 U
5	63211A	RÖTARY WING CÖNTRÖLS/RÖTÖRS/STRUCTURES	N	33, 636	30,040	30, 295	25,248 U
52	63216A	SYNTHETIC FLIGHT SIMULATORS DEVELOPMENT	N	7,521	12,101	6, 093	11,788 U
53	63218A	AIRDROP ADVANCEMENT	, N	1,390	1,996	4,965	8,237 U
50	63220A	ADVANCED RÖTÖRCRAFT TECH INTEGRATIÖN (ARTI)	N		1,009		Þ
22	63221A	NGE AVIATION AND NAVIGATION EQUIPMENT	N	920	1,400	366	3,864 U
26	63306A	TERMINALLY GUIDED PROJECTILES	N	6,795	2,948	10,030	29,387 U
22	63313A	MSL/RØCKET CØMPØNENTS	N	8,640	12,119	30,119	33,037 U
218	63314A	HI-ENERGY LASER COMPONENTS	α		1,756		J
60	63322A	BATTLEFIELD ENVIRONMENT SIMULATION	N			1,477	2,709 U
90	63324A	ARMY DEVEL & EMPLOYMENT ACTIVITY-ADEA	αı	7,300	34,113	42,517	16,604 U
61	63602A	ADVANCED LAND MOB SYSTEMS CONCEPTS	N	8,461	7,650	22, 637	22,800 U
62	63606A	LANDMINE WARFARE/BARRIER DEV	Ø	8,418	12,004	12,467	10,407 U
			nnc	UNCLASSIFIED	ď	PAGE A-3	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984	
APPRÖPRIATIÖN: 2040 A RESEARCH DEVELÖPMENT TEST + EVAL, ARMY	
	APPRÖPRIATIÖN: 2040 A RESEARCH DEVELÖPMENT TEST + EVAL, ARMY

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	PROGRAM		1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		r DOLLARS
LINE NG FE	ELEMENT	ITEM NOMENCLATURE	ACT 	FY 1983	FY 1984	FY 1985	FY 1986 C
63	63607A	JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP)	N	2, 521	1,707	4,292	5,076 U
64	63621A	COMBAT VEHICLE PROPULSION SYS	Ø	9,980	12,952	13,311	17,543 U
63	63631A	CMBT VEH TURRET AND CHASSIS SUBSYS	Q	8,458	11,898	19,228	24,118 U
99	63636A	COMBAT VEHICLE ARMOR/ANTI-ARMOR	Ø	11,377	15,794	52,385	60,872 U
67	63637A	ADV PRÖPULSIÖN/LAUNCH SYS FÖR MUN	Ø		4,547	7,942	Þ
68	63638A	NUCLEAR HARDENING ADVANCED TECHNÖLÖGY	Ø			985	982 U
69	63710A	NIGHT VISION ADVANCED DEVELOPMENT	a	32,914	28,654	35,013	53, 531 U
70	63725A	REMOTELY PILOTED VEHICLES/DRONES	Q	6,326	5,697	6, 232	23,780 U
7	63731A	MANPOWER AND PERSONNEL	Ø	7,064	9,825	17,026	18,865 U
72	63734A	MILITARY ENGINEERING TECHNOLOGY	Ø	1,726	2,015	1,276	612 U
73	63737A	ANTI-RADIATION MSL COUNTER MEASURES	· N	4,035	4,666		
74	63739A	HUMAN FACTORS IN TNG/OPER EFFECT	N	4,426	4,202	10,376	11,698 U
75	63742A	ADV ELECTRONIC DEVICES DEV	αí	3,504	3,744	5,772	6,134 U
26	63743A	EDUCATION AND TRAINING	Ø	068'6	7,575	11,661	12,032 U
77	63744A	TRAINING SIMULATION	α	2,596	3,034	4,763	5,584 U
78	63748A	TEST MEASUREMENT & DIAGNOSTIC EQUIPMENT DEVEL	8	7,416	1,806	4,767	4,302 U
79	63749A	TECHNICAL VULNERABILITY REDUCTION	α	11,304	7,809	6,004	5,134 U
08	63752A	DEMILITARIZATION CONCEPTS	N	8,715	11,080	8, 354	7,305 U
18	63756A	DOD SOFTWARE INITIATIVES (STARS)	N		983	20,685	52,954 U
82	63758A	AI/RGBGTICS DEMG	α.			7,921	12,750 U
83	63759A	CB DEF/SMK ADV TECHNOLØGY DEMONSTRATIONS	N			1,183	1,300 U

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DEPARTMENT OF THE ARMY
FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984 EXHIBIT R-1 APPRÖPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

	PAGE A-5	<b>a.</b>	INCI ACCIEIED				
		1,833	3,953	4	NUCLEAR MUNITIONS AND RADIACS	63604A	101
3,853 U				4	LIGHT WEIGHT AIR DEFENSE SYSTEM	63323A	100
n			6,011	4	CORPS SUPPORT WEAPON SYSTEM	63320A	66
42,493 U	35,384	15,719	2,364	4	SURF TG-SURF MSL RØCKET SYS	63303A	86
91,434 U	92, 335	17,193	10,000	4	ANTI TACTICAL MISSILE (ATM)	63302A	26
61,438 U	48,603	25,200		4	ADVANCED RGTGRCRAFT TECH INTEGRATION/LHX	63220A	96
39,619 U	58,252	48,955	19,943	4	GREATER SLOPE	63217A	92
1,068 U	066	1,059	1,100	4	JOINT SURVIVABILITY INVESTIGATIONS	63215A	94
218,448	227,033	514,693	570,976		EGIC PRØGRAMS	STRATEGIC	
32,541 U	27,204	9,288		ო	WÖRLDWIDE MILITARY CMD&CNT SYS INF SYS	33152A	83
				ო	CLASSIFIED PRØGRAM	12821A	92
				ო	SPECIAL PROGRAM	12814A	16
18,033 U	1,451	316,294	376,234	ღ	BALLISTIC MSL DEF SYS TECH	63308A	06
20,167 U		152,872	142, 833	ღ	BMD ADVANCED TECHNÖLÖGY	63304A	89
652,341	557,338	317,709	257, 434		ADVANCED TECHNOLØGY DEVELØPMENT	ADVANC	
262 U				N	NÖNTACTICAL ADP TECHNÖLÖGY	63765A	89
24,060 U	32,450			Q	MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	63764A	87
14,549 U	13,237	5,067	5,937	N	NGNSYSTEMS MEDICAL MATERIAL DEVELOPMENT	63763A	98
7,418 U	6, 683	9,619	7,707	N	ELECTRÖNIC WARFARE FEASIBILITY DEVELÖPMENT	63762A	82
		8,748	5,813	Ø	ELEC WRFR VULN/SUSCEP TECH SUPPORT	63761A	<b>8</b>
FY 1986 C	FY 1985	FY 1984	FY 1983	ACT	I TEM NOMENCLATURE	EL EMENT NUMBER	LI NE NG
! ! !	THOUSANDS			;		PROGRAM	

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DEPARTMENT OF THE ARMY
FY 1985

		FY	1985	R D T & E PROGRAM	ξ	EX	EXHIBIT R-1
APPR	APPROPRIATION:	: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY	<u>γ</u>			DATE: 01	FEB
	PROGRAM					•	S
L 1 NE NG		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
102	63612A	ADVANCED ANTI TANK WEAPON	4			24,901	20
103	63615A	LETHAL CHEMICAL MUNITIONS CONCEPTS	4	346	13,255	16,280	22,852 U
104	63619A	LANDMINE/BARRIER SYS	4	7,199	16,698	13,273	17,085 U
105	63627A	SMOKE MUNITIONS AND MATERIEL CONCEPTS	4	3,640	6,745	5,041	9,073 U
106	63628A	ARTILLERY/MGRTAR AMMG DEVELGPMENT	4	23,318	32,386	10,880	8,652 U
107	63629A	DIVISION SUPPORT WEAPONS SYSTEM	4	7, 331			כ
108	63632A	ARMÖRED CMBT LÖG SPT VEHICLE FAMILY	4	2,720			Þ
109	63633A	TANK/FIGHTING VEHICLE AMMO DEVELOPMENT	4	9; 733	5,773	11,364	13,897 U
110	63635A	MØBILE PRØTECTED GUN PRØGRAM	4	8,876	20,129		16,089 U
111	63702A	ELECTRIC POWER SOURCES	4	4,980	6,878	11,874	13,400 U
112	63705A	PHYSICAL SECURITY	4	3, 396	4,657	4,787	6,682 U
113	63706A	IDENTIFICATION FRIEND OR FOE EQUIP DEVEL	4	5,779	8,136	9,714	15,661 U
114	63707A	COMMUNICATIONS DEVELOPMENT	4	8,824	7,798		
115	63709A	TACTICAL IMBEDDED COMPUTER PROGRAM	4		20,500		n
116	63711A	AIRCRAFT SURVIVABILITY EQUIPMENT	4	3,094	3,103	9,919	9,947 U
117	63713A	ARMY DATA DISTRIBUTION SYSTEM (ADDS)	4	34, 293	25, 329	23, 213	39,152 U
118	63718A	ELECT WRFR VULNERABILITY/SUCEPTIBILITY	4	16,816	18,670	22,563	24,654 U
119	63720A	CHEMICAL/BIG DETECTION WARM/SAMP MAT CONCEPTS	4		28,349	31,838	27,850 U
120	63721A	CML BIG PRGTECTIVE MATERIEL CONCEPTS	4	26,636	3,054	11,171	11,481 U
121	63723A	CÓMMAND AND CONTROL	4	20,900	23,475	20,649	21,629 U
122	63726A	COMBAT SUPPORT EQUIPMENT	4	6,976	7,716	15,676	42,211 U

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DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

		P. P	1985 R D	D T & E PROGRAM	We	EX	EXHIBIT R-1
APPR	APPROPRIATION:	: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY	۲.			DATE: 01	01 FEB 1984
	PREGRAM		1	; ; ; ; ;		THOUSANDS OF	
L I NE NG		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
123	63730A	TACTICAL SURVEILLANCE SYSTEM	4	22,164	24,228		
124	63732A	COMBAT MEDICAL MATERIAL	4	282	4,913	8,312	14,574 U
125	63740A	DIV AIR DEFENSE COMD/CNTRL	4	1,000	2,645		Þ
126	63745A	TAC ELECTRÖNIC SPT MEASURE SYS	4	10,601	3,460		
127	63746A	SINGLE CHANNEL GRD/ABN RADIƠ SUB-SYS	4	15,431	2,416	2,207	4,277 U
128	63747A	SCLDIER SUPPCRT/SURVIVABILITY	4	2,120	3,446	7,095	7,088 U
129	63750A	DRUG AND VACCINE DEVELOPMENT	4	9,121	12,373	14,473	16,264 U
130	63751A	MEDICAL DEFENSE AGAINST CHEM WARFARE	4	2,916	37,333	36, 659	45,913 U
131	63753A	BATTLEFIELD DATA SYSTEMS	4	1,995			)
132	63755A	TACTICAL ELECTRONIC COUNTERMEASURES SYSTEMS	4	20,696	49,414		
133	63764A	MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	4	12,219	28,430		כ
134	63766A	TACTICAL ELECTRONIC SURVEILLANCE SYS	4	5,687	5,100		
135	63767A	COMBAT SERVICE SUPPORT CONTROL SYS	4			190	188 U
136	64202A	AIRCRAFT WEAPONS	4	989	549	9,930	12,923 U
137	64204A	AIR MÖBILITY SUPPORT EQUIPMENT	4	564	2,377	4,017	3,700 U
138	64206A	UH-60A BLACKHAWK	4	8,448	15,000		כ
139	64207A	ADVANCED ATTACK HELICOPTER (AH-64)	4	32,629	27,836	16, 766	11,539 U
140	64212A	COBRA TOW	4	212			ס
141	64216A	AIRCRAFT PROPULSION SYSTEMS	4			26,518	93,489 U
142	64217A	SYNTHETIC FLIGHT TRAINING SYSTEMS	4	26,864	12,719	14,134	9,343 U
143	64218A	AIRDROP EQUIP DEVELOPMENT	4	1,978	3,356	4,186	4,55a U
			UNCL	UNCLASSIFIED	OL.	PAGE A-7	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984 APPRÖPRIATIÖN: 2040 A RESEARCH DEVELÖPMENT TEST + EVAL, ARMY

	PROGRAM		! !			THOUSANDS OF DOLLARS	
L N NG NG		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
144	64220A	ARMY HELICOPTER IMPROVEMENT PROG	4	73,811	52,720	24,502	Þ
145	64221A	SURVEILLANCE SYSTEM	4	12,832			Þ
146	64222A	JVX-JØINT SVCS VERTICAL LIFT A/C DEVEL PRØG	4	29,915			Þ
147	64268A	AIRCRAFT COMPONENT IMPROVEMENT PROGRAM	4	6,978	11,920	14,630	20,064 U
148	64306A	STINGER	4	20,000		13,898	5,936 U
149	64307A	PATRIGT	4	45,443	83,033	61,471	55,709 U
150	64310A	HELIBÖRNE MISSILE-HELLFIRE	4	15,914	475	454	3,392 U
151	64311A	PERSHING II	4	111,584	17,684		Þ
152	64313A	GRASS BLADE	4	17,069	22,279	20,725	11,399 U
153	64314A	MULTIPLE LAUNCH RÖCKET SYSTEM (MLRS)	4	26,089	964	1,851	Þ
154	64318A	DIVISION AIR DEFENSE GUN	4	10,887			Þ
155	64321A	JÖINT TACTICAL FUSIÖN PRÖGRAM	4	25,710	54,549		
156	64323A	HIGH TECHNÖLÖGY LIGHT DIVISIÖN	4	6,100	17,898	58, 796	64,440 U
157	64324A	JÖINT TACTICAL MISSILE SYSTEM (JTACMS)	4		50,160	78,978	119,384 U
158	64601A	INFANTRY SUPPORT WEAPONS	4	4,068	4,497	21,563	24,730 U
159	64603A	NUCLEAR MUNITIONS	4	26,961	24,306		
160	64609A	SMOKE MUNITIONS & MATERIEL	4	2,650	2,045	6,154	8,906 U
161	64612A	COUNTERMINE AND BARRIERS	4	2,207	5,244	4,734	6,329 U
162	64616A	FIGHTING VEHICLE SYS	4	43, 754	26,526	16,858	2,246 U
163	64619A	LANDMINE WARFARE	4	10,695	2,060	12,050	15,470 U
164	64620A	TANK SYSTEMS	4	5,969			٦

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### DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984 APPRÖPRIATIÖN: 2040 A RESEARCH DEVELÖPMENT TEST + EVAL, ARMY

- c		SO40 A NESEANON DEVELORIENT	=			DAIE: 01	DAIE: 01 FEB 1984
			! ! ! !	! ! ! ! ! ! ! ! ! ! !	1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	! !
L I NE NG	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
165	64623A	LIGH ANTI-TANK WEAPON TESTING AND EVALUATION	4	9,972			ס
166	64624A	HIGH MÖBILITY MULTIPURPÖSE WHEELED VEHICLE	4	4,678			٦
167	64626A	FIRE INTEGRATION SPT TEAM VEH	4	8,607			Þ
168	64628A	INDIRECT FIRE TRAINING MUNITIONS	4	728			589 U
169	64630A	M1 E1 DEVELOPMENT PROGRAM	4	58,187	66, 584	53, 682	47,162 U
170	64631A	FIELD ARTILLERY AMMUNITION	4	100	6,248	31,800	29,853 U
171	64632A	105MM TANK AMMUNITION	4	2,062	8,140	10,050	6,116 U
172	64701A	COMM ENGINEERING DEV	4	12,696	9,442	9,830	15,010 U
173	64702A	JT TAC INFO DIST SYS (JTIDS)	4	20,715	17,719	21,231	12,775 U
174	64704A	UNATTENDED GROUND SENSORS	4	4,124	5,000		כ
175	64705A	MCDULAR INTEGRATED COMM AND NAVIGATION SYS	4	18,711	60'6	5,937	4,324 U
176	64706A	RADICLOGICAL DEFENSE EQUIPMENT	4	838	927	288	⊃
177	64709A	IDENTIFICATION-FRIEND OR FOE EQ	4	2,653	3, 896	5,058	5,44 <b>4</b> U
178	64710A	NIGHT VISION DEVICES	4	2,683	5,274	10,842	12,920 U
179	64711A	AIRCRAFT SURVIVABILITY EQUIPMENT	4	19,395	17,979	16,813	26,109 U
180	64712A	ARMY CMD AND CONTROL SYSTEM (ACCS) SYS ENGR	4	13,175	10,325	11,568	15,87 <b>4</b> U
181	64713A	COMBAT FEEDING, CLOTHING AND EQUIPMENT	4	2,804	2,257	6,290	6,570 U
182	64714A	TACTICAL ELECTRIC POWER SOURCES	4	5,234	5,520	10,921	12,363 U
183	64717A	GENERAL COMBAT SUPPORT	4	7,260	9,691	13,965	18,424 U
184	64718A	PHYSICAL SECURITY	4	6,326	5,893	7,623	7,608 U
185	64722A	EDUCATION AND TRAINING	4		6,000	7,740	6,745 U
					<u>a</u>	PAGE A-9	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

,			1985	R D T & E PROGRAM	Σ	EX	EXHIBIT R-1
APPA	PROPRIATION	APPROPRIATION: 2040 A RESEARCH DEVELGPMENT TEST + EVAL, ARMY	<b>→</b>			DATE: 01	01 FEB 1984
-			;			THOUSANDS OF	DÖLLARS
N N N N N N N N N N N N N N N N N N N	ELEMENT NUMBER	. ITEM NOMENCLATURE	ACT	FY 1983		FY 1985	FY 1986 C
186	64723A	SPECIAL PURPOSE DETECTORS	4			3.330	3 179 11
187	64724A	CML BIG DETECTION WARNING & TRAINING MATERIAL	4	550	8,238	11,326	
188	64725A	CHEM BIØ PRØTECŤIVE MATERIEL	4	11,748	19, 389	24, 431	
189	64727A	COMMAND AND CONTROL	4	14,526	16,028	14,822	
190	64730A	REMÖTELY PILÖTED VEHICLES	4	81,726	132,629	103, 140	
191	64732A	ENHANCE TO SENORS CORREL RECONN & TARGETING	4	3,200		•	
192	64733A	MILITARY COMPUTER FAMILY	4			16.522	a :-
193	64740A	TACTICAL SURVEILLANCE SYSTEM	4	9,456	11,240		
194	64741A	DIV AIR DEFENSE COMMAND AND CONTROL	4		38, 198	129.424	88 573 11
195	64746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	4	3, 122		15,859	
196	64750A	TACTICAL ELECTRÖNIC CÖUNTERMEASURES SYSTEMS	4	4,347	18,952	•	
197	64751A	SINGLE CHANNEL GRD/ABN RADIƠ SUB ENG	4		13,417	11,221	10 133 11
198	64753A	BATTLEFIELD DATA SYSTEMS	4	23, 926			
199	64757A	MEDICAL CHEMICAL DEFENSE LIFE SPT MAT	4		4,669	12.745	2 28 80
200	64758A	DRUG AND VACCINE DEVELOPMENT	4		4,669		2000,000
201	64766A	TACTICAL ELECTRONIC SURVEILLANCE SYS	4	10,903	13,174	)	
202	64770A	JÖINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM	4		67,750	108.168	908.98
203	64779A	JT INTEROP OF TAC CMD & CONT SYS (JINTACCS)	4	25, 997	28,298	51,849	
			ONC	UNCLASSIFIED	g.	PAGE A-10	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PRÖGRAM

EXHIBIT R-1

2,733 U ------2,346,054 2,879 U 11,428 U  $\supset$ 4,902 U 3,385 U 9,549 U 29,052 U 90,480 U 36,245 U 18,398 U  $\supset$  $\supset$ 7,285 U 2,537 21,771 28,320 5,444 FY 1986 THØUSANDS OF DØLLARS DATE: 01 FEB 1984 2,102 4,586 13,578 18,875 27,746 45,433 7,539 2, 329, 995 2,951 9,921 120,067 25,734 2,357 33,112 FY 1985 17,631 PAGE A-11 3,265 274 3,753 234 71,272 1,814,104 2,244 5,777 1,769 1,863 74,560 9,333 23,745 31,954 3,921 21,478 21,041 FY 1984 100 3,601 1,499,672 14,958 4,989 10,677 1,447 2,176 36,617 49,803 1,891 18,205 1,500 45,357 24,692 FY 1983 ACT K) APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY 155MM SELF-PROPELLED HOWITZER IMPROVEMENTS TECH RECONNAISSANCE/SURVEILLANCE (TECRAS) JT CB CONTACT POINT TEST AND ASSESSMENT JOINT TACTICAL COMMO PROGRAM (TRI-TAC) FOREIGN SCIENCE AND TECHNOLOGY CENTER COMBAT VEHICLE IMPROVEMENT PROGRAM HV A TI-TANK ASSAULT WPN SYS (TOW) NAVSTAR GLÖBAL PÖS SYS (USER EQ) ADV FIELD ARTY TACTICAL DATA SYS OTHER COMMAND GDIP ACTIVITIES MANEUVER CONTROL SYSTEM (MCS) PROD IMPR VULCAN AIR DEF SYS I TEM NOMENCLATURE AN/TSQ-73 MODIFICATIONS AIRCRAFT MODIFICATIONS SAM HAWK/HAWK IMP PROG MAPPING AND GEÖDESY MAPPING AND GEODESY AIRCRAFT AVIONICS EUCOM C3 SYSTEMS TACTICAL PROGRAMS CHAPARRAL 63712A 64201A 31307A 31327A 64716A 64778A 31334A PRØGRAM ELEMENT NUMBER 23740A 23741A 23743A 23744A 28010A 33145A 23735A 23739A 23731A 65710A 23724A 23726A 23730A LINE NG 220 222 223 215 216 218 219 221 212 213 214 217 209 208 2 204 202 206 207

EXHIBIT R-1 DATE: 01 FEB 1984 DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

APPR	PPRGPRIATION	APPRÖPRIATIÖN: 2040 A RESEARCH DEVELÖPMENT TEST + EVAL, ARMY	ARMY	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DATE: 01	DATE: 01 FEB 1984
	0000					THGUSANDS OF DOLLARS	
LI NE NG	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
224	31359A	SPECIAL ARMY PROGRAMS	ľ				
225	33111A	STRATEGIC ARMY COMMUNICATIONS (STARCOM)	Ŋ	810	803	1,047	1,027 U
226	33126A	LONG-HAUL COMMUNICATIONS (DCS)	Ŋ	11,471	8,694	9,783	ס
227	33142A	SATCOM GROUND ENVIRONMENT	Ŋ	31,651	46,179	16,055	33,316 U
228	33401A	COMMUNICATIONS SECURITY	ю	6,256	8, 139		
	INTELL	INTELLIGENCE AND COMMUNICATIONS		75,809	76,913	67,572	75, 366
229	63315A	TARGET MISSILES	ω			985	J
230	63738A	NONSYSTEMS TRAINING DEVICES (NSTD) DEV	ω	934	2,365	6,100	3,481 U
231	64715A	NON-SYSTEM TNG DEVICES ENGR	ω	7,690	12,545	34,530	40,081 U
232	64726A	METEGROLOGICAL EQUIPMENT SYSTEMS	ဖ	5,847	5, 182	9,617	6,220 U
233	65102A	TRADOC STUDIES AND ANALYSES	ဖ	1,768		2,864	4,402 U
234	65201A	AVIATION ENGINEERING FLIGHT ACTIVITY	ဖ	5,775	6,524	7,608	8,184 U
235	65301A	KWAJALEIN MISSILE RANGE	ဖ	151,706	138,342	154,765	154,024 U
236	65502A	SML BUSINESS INNOVATIVE RESEARCH	ဖ	2,379			D
237	65702A	SUPPORT OF DEVELOPMENT TESTING	ဖ	44,713	43,172	52,060	64,699 U
238	65706A	MATERIEL SYSTEMS ANALYSIS	ဖ	13,129	14,221	15,388	16,057 U
239	65709A	EXPLOITATION OF FOREIGN ITEMS	ဖ	2, 101	2,602	2,902	3,636 U
240	65712A	SUPPORT OF OPERATIONAL TESTING	ဖ	52,025	49,126	60,625	77,518 U
241	65801A	PRØGRAM-WIDE ACTIVITIES	ω	67,296	66, 695	110,059	198,419 U
242	65802A	INTL COOPERATIVE RESEARCH AND DEV	ဖ	734	1,035	794	1,136 U
243	65803A	TECHNICAL INFO ACTIVITIES	ဖ	4,710	5, 330	5, 565	6,395 U

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DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

			FY 1985 R I	R D T & E PROGRAM	RAM	<b>.</b>	EXHIBIT R-1
APPR	APPROPRIATION:	2040 A RESEARCH DEVELCHMENT TEST + EVAL,	ARMY	1		DATE: 0	DATE: 01 FEB 1984
<u> </u>  -	PROGRAM	,	1			THOUSANDS	THOUSANDS OF DOLLARS
2 2		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
244	65804A	DARCOM MAJOR RANGE/TEST FACIL	ω	295, 641	304,751	350,988	405, 663 U
245	65805A	MUNITIONS-NATO STDZN DOD EFFEC SAFETY STDS	ဖ	7,028	5,709	6,785	
246	65806A	DOD HIGH ENERGY LASER SYSTEMS TEST FAC	ဖ	33,933	36, 233	39, 399	38,911 U
247	65807A	MAINSITE	9	3,000	17,566		
248	65808A	MM AND T/MACI	, <b>ω</b>	48,767	73,683		· ⊃
249	65872A	PRODUCTIVITY INVESTMENT FUNDING	9	20,125	20,728	11,310	3,562 U
250	65890A	INSTL AUDIOVISUAL SPT (R/D)	9	3,492			
251	65898A	MGT HQ (RESEARCH/DEVELÖPMENT)	9	43,431	42,961	41,120	45,425 U
252	78011A	INDUSTRIAL PREPAREDNESS	ဖ			103,964	156,917 U
	DEFENS	DEFENSEWIDE MISSION SUPPORT		816,224	848,770	1,017,428	1,241,757
TÖTAL		RESEARCH DEVELOPMENT TEST + EVAL, ARMY		3,895,283	4, 259, 375	4,987,100	5,355,078
			UNCI	UNCLASSIFIED	<b>a</b>	PAGE A-13	

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## DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

	SUMMARY		DATE:	FEB
			THOUSANDS	ØF DØLLARS
	F	9	FY 19	F
	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	307.640	319,358	349.721	404.081
EXPLØRATØRY DEVELØPMENT	525,514	441,121	478,451	536,036
ADVANCED DEVELCHMENT	1,745,476	2,917,737	2, 126, 370	3,111,047
ENGINEERING DEVELOPMENT	2,086,004	2, 271, 521	4,684,522	4,912,499
MANAGEMENI AND SUPPORI	586,089	568,466	603,564	664,133
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	250.	518.	8.242.628	9,627,796
OPERATIONAL SYSTEMS DEVELOPMENT	849,408	053,	• •	2,048,323
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, NAVY	6,100,131	571,	9,826,076	11,676,119
SUMMARY RECAP OF BUDGET ACTIVITIES				
				,
FCHNOLOGY BASE	833, 154	760,479	828,172	940,117
ADVANCED IECTNOLOGI DEVELOTMENI	140, //u	175,750	286,399	364,309
TACTICAL PROGRAMS	3.614.319	3,891,400	5, 200, 000	Z, 502, 934 6, 548, 049
INTELLIGENCE AND COMMUNICATIONS		337,324	421.535	408.919
DEFENSEWIDE MISSION SUPPORT	605,	639, 601	686,384	811,771
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, NAVY	6,100,131	7.571,718	9,826,076	11.676.119
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	247,767	276, 231	263,900	309, 743
GENERAL PURPGSE FORCES	424,636	556,779	930, 801	1,248,760
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	5.250.723	6.518.203	320, 248 8. 242, 628	389,671
CENTRAL SUPPLY AND MAINTENANCE	3,339		- 1	100,149
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, NAVY	6, 100, 131	7,571,718	9,826,076	11,676,119

## DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984

EXHIBIT R-1

APPRÖPRIATIÖN: 1319 N RESEARCH DEVELÖPMENT TEST + EVAL, NAVY

<u>L</u>					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THØUSANDS ØF DØLLARS	USANDS OF DOLLARS
)   D   Z	NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
-	61152N	IN-HÖUSE INDEPEND LAB RES	-	23, 306	23,444	25, 673	29,664 U
Ø	61153N	DEFENSE RESEARCH SCIENCES	-	284, 334	295,914	324,048	374,417 U
က	62101N	TACT DIRECTED ENERGY TECH	-			10,431	12,110 U
4	62241N	AIRCRAFT TECHNOLOGY	-	27,362	25, 630	25,705	27,947 U
ιo	62331N	MISSILE PROPULSION TECH	-	9,314	9,448	10,360	11,497 U
ω	62332N	SURF/AERÖSPACE WPNRY TECH	-	26, 996	26,748	29, 960	31,735 U
^	62542N	NUCLEAR PROPULSION TECH	-	53, 624	46,128	48,263	49,926 U
œ	62543N	SHIP AND SUBMARINE TECH	-	32,497	29,982	30,155	31,769 U
Ø	62633N	UNDERSEA WARFAR WPNRY TECH	-	25, 396	25,086	35,483	40,487 U
0	62711N	U/S TARGET SURV TECH	-	41,766	37,362	45,690	48,965 U
Ξ	62712N	SURF/AERGSP TGT SURV TECH	-	35, 784	34,985	36,387	44,151 U
7	62721N	COMMAND AND CONTROL TECH		31,048	29,646	30,878	38,505 U
13	62734N	COUNTERMEASURES TECH	-	27,745	27,696	30,829	34,503 U
4	62735N	HIGH ENERGY LASER TECH	-	60,976			Þ
ō	62757N	HUMAN FACTÖRS&SIM TECH	-	8,877	7,309	7,967	8,722 U
16	62758N	BIOMEDICAL TECH	-	8,871	8,242	8,829	9,437 U
17	62759N	OCEAN AND ATMOS SUPT TECH	-	21,211	18,777	24,046	25, 838 U
9	62760N	LØGISTICS TECH	-	13,690	13, 533	14,756	18,126 U
<u>ი</u>	62761N	MATERIALS TECH	-	33,384	35, 253	35, 960	41,399 U
20	62762N	ELEX DEVICE TECH	-	25,882	25, 309	28,005	30,816 U
2	62763N	PERSGNNEL & TRNG TECH	-	6,749	5,684	6,456	6,870 U

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### DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984 APPRÖPRIATIÖN: 1319 N RESEARCH DEVELÖPMENT TEST + EVAL, NAVY

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1 1 1			; ; ; ; ; ; ;			THOUSANDS OF	DÖLLARS
L I NE NG	PROGRAM ELEMENT NUMBER	ITEM NÖMENCLATURE	ACT	FY 1983	FY 1984		FY 1986 C
22	62764N	CHEM/BIOL/&RADIOL DEF TECH	-	1,829	3,828	4,939	6,644 U
23	62765N	ENERGY & ENVIRON PROT TECH	-	5,005	4,043		כ
24	62766N	LAB INDEP EXPLORATORY DEV	-	14,009	11,849	13,352	16,589 U
25	62768N	DIRECTED ENERGY TECH	-	13,499			
	TECHNO	TECHNOLOGY BASE		833,154	760,479	828,172	940,117
56	63202N	AVIÖNICS	٥	4,141	1,607		כ
27	63207N	ENVIRONMENTAL APPLICATIONS	0	5,516	5,548	8,287	9,172 U
28	63210N	ADV A/C PRØPUL SYS	0	9,736	5,959	9,040	8,949 U
53	63216N	ABN-LIFE SUPPORT SYS	Ø	2,813	610	1,125	1,920 U
30	63217N	ADV A/C SUBSYSTEMS	α	2,405	2,799	6,780	3,725 U
31	63251N	A/C SYSTEMS (ADV)	8	1,000			כ
32	83303N	ERASE SYS TECHNÖLÖGY	N	689'6	25, 307	4,498	4,990 U
33	63306N	ADV A/L ASM SYSTEMS	N		1,475		D
98	63308N	A/A MSL TECH DEMÖ	8	2, 923	3,956	2,850	5
35	63508N	SHIP PROP SYS (ADV)	8	20,656	40,721	47,703	63,062 U
36	63526N	ADV COMPUTER TECH	α	3,572	4,912	11,188	10,547 U
37	63573N	ELECTRIC DRIVE	αı	7,267	10,081	10,072	19,618 U
38	63609N	CONVENTIONAL MUNITIONS	N	4,331	4,173	14,323	20,813 U
39	63654N	JÖINT SERV EÖD DEV (ADV)	N	4,954	4,394	7,979	7,603 U
40	63701N	HUMAN FACTÖRS ENG DEVEL	N	2,348	1,170	1,844	2,881 U
4	63704N	GCEANGG INSTRUMENTATN DEV	N	2,999	2,950	5,867	8,871 U
					:		

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## DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

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	PROGRAM		•		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ם פתושפססטו	T DOLLARS
L NG NG NG	E ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
4	63706N	MEDICAL DEVELOPMENT (ADV)	N	8,655	869'6	12,785	13,103 U
43	63707N	MNPWR CONTROL SYST DEV	α	2,375	1,771	5,020	5,247 U
4	63709N	ADV MARINE BIOLOGICAL SYS	OJ.	3,980	3,893	5,186	6,848 U
<b>4</b>	63713N	OCEAN ENG TECH DEVELOP	Ø	13,743	16,376	18,876	22,367 U
46	63720N	EDUCATION & TRAINING	Ø	2,698	2,196	5,008	6,114 U
47	63721N	ENVIRONMENTAL PROTECTION	Ø	8,150	7,999	10,517	10,042 U
48	63722N	NAVAL SPECIAL WARFARE	Ø	10,199	7,928	9,224	13,368 U
9	63727N	ADV TECH FÖR LÖGISTIC INFÖ	Ø	1,253	1,669	7,950	11,787 U
50	63728N	MANUFACTURING TECH	Ø				Þ
5	63732M	ADV MANPOWER TRAINING SYS	Ø	1,977	2, 136	2,988	3,259 U
52	63733N	TRAINING DEVICE TECH	<b>0</b> 1	6,100	6,432	8, 790	9,874 U
53	63786N	ABN ELE-MAG/GPT SYS (ADV)	QI	2,960			⊃
24	78011N	MANUFACTURING TECH	Ø	3, 339		68,499	100,149 U
	ADVANC	ADVANCED TECHNOLOGY DEVELOPMENT		149,779	175,760	286,399	364,309
5	63371N	TRIDENT 11	ო	369, 614	1,473,233		⊃
26	63735N	WWMCCS ARCHITECTURE SUPPT	ო	006	1,141		Þ
57	64363N	TRIDENT 11	ო			2,091,113	2,250,542 U
28	65856N	STRATEGIC TECH SUPPORT	ო	7,149	6,786	8,708	8,520 U
9	11221N	FBM SYSTEM	ო	30,577	27,750	40,391	41,379 U
9	11224N	SSBN SECURITY PROGRAM	ო	34,191	36,671	48,862	51,914 U
6	11228N	TRIDENT 1	m	66,057	71,199	41,199	73,696 U
				INC. ASSTRIED		PAGE N-3	

### DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

⋖	PPRO	APPROPRIATION:	1319 N RESEARCH DEVE	NAVY			DATE: 01	FEB
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	L I NE NG	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 198		FY 1986
	62	11401N	ELF COMMUNICATIONS	ო	51,677	57,292	26, 396	10,087 U
	63	11402N	NAVY STRATEGIC COMM	ღ	64,754	83, 143	106, 535	132,200 U
	64	12427N	NAV SPASUR	ຫ	511	176	517	467 U
	65	33131N	MEECN	ო	4,995	1,509	1,467	1,661 U
	99	33152N	WIS MÖDERNIZATÍON	ო		8,254	14,867	32,488 U
		STRATE	STRATEGIC PROGRAMS		630,425	1,767,154	2,380,055	2,602,954
	29	63206N	ABN ELECTRÖNIC WARFARE EQ	4	14,157	21,753	67,335	81,645 U
	68	63208N	VTX-TS	4	7,925	24,857	113,420	263,747 U
	69	63209N	U/W WPNS ACCEPT TEST	4	•			5,946 U
	20	63212N	TAC AIR IR COUNTERMEASURES	4	1,493			Þ
	7	63213N	AIRBÖRNE INFRARED CM	4	5,732	10,819		)
	72	63214N	TAC CMD CONT COMM C/M	4	7,258	10,093		<b>&gt;</b>
	73	63219N	ADV A/C ARMAMENT SYS	4	3,145	430		Þ
	74	63228N	CV ASW MÖDULE	4	3, 928	3,832	5,289	5,538 U
	75	63254N	AIR ASW	4	13,439	2,362	2,384	3,499 U
	92	63256N	JVX	4		86,673	198,495	618, 610 U
	77	63257N	A-6E IMPRÖV	4	6,700	14,370	19, 633	כ
	78	63259N	ACCUS SEARCH SENSORS (ADV)	4	7,601	1,900	1,922	5,217 U
	79	63260N	ABN MINE COUNTERMEASURES	4	21,566	14,752	15,726	17,250 U
	80	63261N	TAC AIR RECON	4	4,670	7,273	13,277	29,472 U
	18	63262N	A/C SURVIV & VULNER	4	9,984	10,867	29, 493	33,573 U
					OF LEVEL		PAGE N-4	

# DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPR	PPRGPRIATION	APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY	NAVY		1		B 1984
- -	PROGRAM FI FMENT		!		1 1	THOUSANDS OF DOLLARS	RS
<u>8</u>		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	EY 1986 C
82	63267N	COMBAT IDENT SYS	4	6,694	6,857		٥
83	63313N	IIR MAVERICK	4	4,500	4,938	1,979	. ⊃
8	63315N	RETRACT YELLÖW	4	3,999	7,850	12,465	26,205 U
82	63318N	ADV SURF/AIR MSSLE(ASAM)	4	14,169	3,924	9,040	25,000 U
98	63367N	SUBMARINE ASW STDOFF WPN	4	22,517	27,381	61,659	134,650 U
87	N698E9	AIR-L TÖMAHAWK	4	19,900			כ
88	63382N	BGAAWC	4	6,458	6, 336	12,991	15,820 U
88	63501N	REACTOR PROPULSION PLANTS	4	5,783			⊃
06	63502N	SURFACE MCM	4	31,370	27,132	30,276	32,688 U
6	63503N	ACCUSTIC COMM (ADV)	4	1,394			5
92	63504N	SUB SONAR DEVEL (ADV)	4	12,426	8,117	31,252	82,486 U
6	63506N	SURFACE SHIP TORP DEF	4	2,428	7,798	27,887	28,200 U
94	63509N	SHPBD INFG TRANSFER SYS	4	4,411	2,276	4,410	5,943 U
92	63512N	CATAPULTS	4		874		3,035 U
96	63513N	SHIPBD SYS COMP DEV	4	15,442	12,465	15,486	28,160 U
97	63514N	SHIPBOARD DAMAGE CONTROL	4	24,251	14,000	20,419	36,976 U
98	63515N	ADV IDENTIFICATION TECH	4	1,472	590		ס
66	63516N	RADAR SURVEILLANCE EQUIP	4		486	2, 969	6,923 U
100	63519N	ADV COMMAND DATA SYS	4	4,387	2,496	6,014	6,124 U
101	63522N	ADV SUB SUPT EQUIP PROG	4	632	2,253	12,375	14,546 U
102	63525N	PILÖT FISH	4	93,823	95,495	119, 231	106, 339 U

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DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

		<u>}</u>	DEPARTMENT 1985 R D	T OF THE NAVY D T & E PROGRAM	Σ	EX	EXHIBIT R-1
APPR	OPRIATION	RESEARCH DEVELOPMENT TEST + EVAL,	>			DATE: 01	FEB 1984
!		6		 	1 1 1 1 1 1 1 4 4 8 1	!	s
LI NE NG	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
103	63528N	NON ACOUSTIC ASW	4	11,028	12,394	22,408	27,892 U
104	63529N	ADV ASW TARGET	4	3,907	1,938	16,011	12,425 U
105	63532N	SHIP SYS ENGR STDS	4	4,993	4,429	4,834	6,524 U
106	63536N	RETRACT JUNIPER	4			1,373	כ
107	63537N	RETRACT SILVER	4	94,365			D
108	63539N	RETRACT AMBER	4	13,522	3,746		כ
109	63542N	RADIØLØGICAL CØNTRØL	4			1,674	3,660 U
110	63550N	LINK DØGWØØD	4	1,999	5,887	22,753	23,733 U
111	63553N	SURFACE ASW	4		6,434	20,863	25,181 U
112	63560N	WIDE APERTURE ARRAY(ADV)	4	23,560	15,522	11,671	11,954 U
113	63561N	SUBMARINES (ADV)	4	43,850	81,271	153, 790	166,500 U
114	63562N	SUB TAC W/F SYS (ADV)	4	7,012	11,105	21,736	23,573 U
115	63564N	SHIP DEVELØPMENT (ADV)	4	12,865	14,908	16,103	20,040 U
116	63565N	SURF SHIP NAVIG SYS	4			2,959	7,912 U
117	63566N	AMPHIB ASSLT CRAFT	4	11,884	7,806	4,571	4,558 U
118	63569N	ATTACK SUBMARINE DEV	4	8,256	6,835	24,121	40,900 U
119	63570N	ADV NUC REACT COMP SYS DEV	4	11,536	26, 492	71,424	97,401 U
120	63571N	SHIBD PHYSICAL SECURITY	4	6,122	5, 235	5, 138	5,416 U
121	63576N	CHALK EAGLE	4	6,401	14,259	51,912	70,057 U
122	63578N	A4W/A1G NUC PROP PLNT	4	12,238	12, 193	5,755	5,889 U
123	63579N	D2W NUC PRGP REACTOR	4	6, 337		-	⊃

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DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

D			1,394	4	COMMAND/CONT/COMM SYS	63731M	144
347 U	8, 231	4,867	5,062	4	INTELL/ELEC WARFARE SYS	63730M	143
9,204 U	4,678	6,320	5,436	4	COMBAT SERVICES SUP (ADV)	63729M	42
6,821 U	5,927	4,716	8,173	4	MERSHIP NAV AUX PRØG	63726N	141
10,284 U	10,477	4,833	4,913	4	FACILITIES IMPROV	63725N	140
23,264 U	20,075	23, 121	21,634	4	NAVY ENERGY PROGRAM (ADV)	63724N	139
3,958 U	1,522	1,744	3,667	4	CONT OFFLOAD & TRNSFR SYS	63719N	138
31,833 U	27,384	26,578	34,903	4	COMMAND & CONTROL SYS(ADV)	63717N	137
10,275 U	6, 195	5, 160	5, 201	4	FLEET TAC D&E PROGRAM	63711N	136
10,285 U	9,381	3,856	6, 765	4	ANTI SUB W/F SIGN PROC	63708N	135
568 U	286	1,188	3, 335		Lõeistics	63705N	134
2,020 U	2,296	2, 153	1,864	4	OCEAN ENGR SYS DEV	63702N	133
ם			20,483	4	MK 48 ADCAP (ADV)	63691N	132
8,559 U	5,181	4,957	4,508	4	GRD COMBAT/SUPP ARMS SYS	63635M	131
10,927 U	7,846	5,314	3,440	4	TAC NUC DEVELOPMENT	63634N	130
49,414 U	54,553	61,165	38,076	4	MC ASSAULT VEHICLES	63611M	129
D		4,050	860'26	4	ALWT (ADV)	63610N	128
כ		3,924	9,521	4	MINE DEVELOPMENT	63601N	127
162,269 U	137,009	111,853		4	JOINT ADV SYS	63591N	126
129,746 U	124,585	108,608	138, 339	4	DDG-51	63589N	125
26,786 U	21,635	14,844	7,920	4	COMBAT SYSTEM INTEGRATION	63582N	124
FY 1986 C	FY 1985	FY 19	<u> </u>	ACT	I TEM NOMENCLATURE	ELEMENT NUMBER	L I NE NG
DÖLLARS	THOUSANDS OF					PROGRAM	! !
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# DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1 DATE: 01 FEB 1984 Y/\AN

APPR	OPRIATION	1319 N RESEARCH DEVELOPMENT TEST + EVAL,	NAVŸ			DATE: 01	DATE: 01 FEB 1984
! ! !		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	 	l I	]   	THƠUSANDS ƠF DỚLLARS	   
L I NE NG	PRØGRAM ELEMENT NUMBER	I TEM NÖMENCLATURE	ACT	FY 1983	FY 1984	FY 1995	FY 1986 C
145	63734N	CHALK CØRAL	4	2,900	6, 683	5,440	195 U
146	63736N	STRIKE WARFARE	4	3,000	1,298	594	Þ
147	63737N	LINK HAZEL	4	16,000	34,387	43,000	15,000 U
148	63763N	1755	4	11,334	11,803	15,208	57,58G U
149	63784N	ASW SURVEILLANCE	4	819		9,247	22,516 U
150	63785N	LRAP	4	13,578	8,262	10,576	16,591 U
151	63787N	SPECIAL PROCESSES	4	72, 523	65,953	69,519	52,722 U
152	63788N	RDSS	4	19, 131	18,197	11,766	13,817 U
153	64203N	AVIÖNICS DEV	4	6,491	7,754	15,033	18,222 U
154	64211N	IFF SYS DEV	4	6,228	8,435	15,213	20,009 U
155	64212N	LAMPS 111	4	8,969	2,102		7,587 U
156	64213N	HELICÓPTER DEVELÓPMENT	4	12,624	32,296	16,518	7,202 U
157	64214N	AV8B (ENG)	4	117,805	101,883	70,447	38,545 U
158	64215N	SUPPORT EQUIPMENT	4	7,329	8,730	21,206	24,946 U
159	64217N	S-3 WPN SYS IMP S 3( )	4	75,999	59,054	42,102	16,685 U
160	64218N	ENVIRÖNMENTAL SYSTEMS	4	1,246	585	2,498	1,790 U
161	64219N	ABN ASW DEVELOPMENTS	4	27,536	18,882	24,346	30,513 U
162	64220N	A/C IR SIGN SUPPRESSION	4	9	1,391	9, 290	5,022 U
163	64221N	P-3 MØDERNIZATIÖN PRÖG	4	18,584	9,171	37,388	37,708 U
164	64224N	ABN EW ENG	4	1,900	3,836	49,442	56,692 U
165	64225N	ADV RADAR WARNING	4	866	7,588		J
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# DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

30,029 U 1,435 U 32,469 U	35,685 1,395 43,850 PAGE N-9	6,623 1,384 44,899	4,676 3,037 57,178	4 4 4	AFTRAMM SYSTEMS S/L WPNRY SHIP SYSTEMS VERTICAL LAUNCHING SYS	64352N 64353N	185 186
10,889 U	19,729	7,729	2000	4 4	LINK ASH	64308N	183
70,251 U	55, 593	54,660	40,672	4	CG-47 PRGDUCT IMPROVEMENT	64307N	182
כ			11,215	4	CSED	64304N	181
14,197 U	14,154	12,308	8,149	4	AEGIS AREA AIR DEF	64303N	180
38,358 U	19, 295	70,446	24,628	4	MK92 FCS UPGRADE	64301N	179
99,111 U	90,011	88, 835	81,139	4	A/C ENGINES COMP IMP PROG	64268N	178
7,900 U	7,926	2,981	6,885	4	AWG-9 UPDATE	64267N	177
כ			501	4	ADV SIG PROCESS (ASP)	64266N	176
3,26G U	13,872	5,687	6,702	4	LIFE SUPPORT EQUIP	64264N	175
כ			107,817	4	F/A-18	64263N	174
J			4,900	4	xvc	64262N	173
34,596 U	31,240	22,476	8,678	4	ACGUSTIC SRCH SENSRS (ENG)	64261N	172
3, 939 U	14,560	32, 279	15,119	4	C/MH-53E	64260N	171
כ		16, 738	12,689	4	AIR ELECTRONIC W/F	64255N	170
46,199 U	35,822	9,248		4	A/C PROPULSION (ENG)	64252N	169
5,835 U	44,516			4	CV ASW HELO	64229N	168
<b>.</b>		18,373		4	SH 60 CV VARIANT	64228N	167
17,523 U	40,560	42,798	31,216	4	ASPJ	64226N	166
FY 1986 C	FY 1985	FY 1984	FY 1983	ACT	ITEM NOMENCLATURE		LINE NG
!	THOUSANDS OF DOLLARS			1		PREGRAM	 

# DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPR	APPROPRIATION:	1319 N RESEARCH DEVELÖPMENT TEST + EVAL,	NAVY				01 FEB 1984
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LINE	PROGRAM		1	i     			 
Š		ITEM NOMENCLATURE	ACT 	FY 1983	FY 1984	FY 1985	FY 1986 C
187	64354N	AAM SYSTEMS ENGINEERING	4	22,844	2,771	3,888	30,465 U
188	64355N	VLS ASRØC	4		29,845	26,603	27,10G U
189	64358N	CIWS (PHALANX)	4	1,346	1,228	3,174	4,771 U
190	64360N	HARM	4	5,713			D
191	64361N	NATO SEA SPARROW	4	1,067	6,146	862'8	8,304 U
192	64365N	SM-2 (N)	4	18,808	18,489	25,679	26,499 U
193	64366N	STANDARD MSL IMPRÖVEMENTS	4	51,239	31,393	41,282	77,884 U
194	64367N	TOMAHAWK	4	109,039	128,844	81,501	43,821 U
195	64369N	5'' RÖLLING AIR FRAME MSLE	4	16, 153	4,230	6,544	2,233 U
196	64370N	SSN-688 VLS	4	47,061	39,176	29,449	23,256 U
197	64371N	HELLFIRE	4	9,365	2,706	2,401	ם
198	64372N	NEW THREAT UPGRADE	4	45,759	47,503	51,783	66,931 U
199	64502N	SUBMARINE COMM	4	3, 635	4,801	4,185	4,706 U
200	64503N	SUB SÖNAR DEVELÖP (ENG)	4	40,003	51,792	40,111	46,335 U
201	64504N	AIR CONTROL ENG	4	9, 223	24,777	23,032	17,264 U
202	64506N	BR/CW COUNTERMEASURES	4	9,657	8,028	7,119	6,792 U
203	64507N	EMSP	4	12,972	22,769	58,614	110,516 U
204	64508N	RADAR SURVEILLANCE EQUIP	4	12,839	10,242	11,714	12,826 U
205	64510N	COMMUNICATIONS SYS	4	3,767	4,473	7,991	730 U
206	64511N	INTELLIGENCE SYSTEMS	4	1,868	2,122	2,573	3,911 U
207	64515N	SUB SUPT EQUIP PROG (ENG)	4	2,232	3,690	7,397	13,747 U

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## DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984

APPRÖPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

				ŧ I	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THƠUSANDS OF	DÖLLARS
L I NE NG	ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
208	64516N	SHIP SURVIVABILITY	4	2,117	4,299	6.288	9.527
209	64518N	CIC CONVERSION	4	18,592	24,439	30, 541	
210	64520N	WIDE APERTURE ARRAY(ENG)	4		•	14.664	
112	64524N	SUBACS (ENG)	4	80,714	95, 803	171,216	215, 125
212	64554N	SURFACE E/W	4	6,339	6,141	8,055	12,773 U
213	64561N	SUBMARINE (ENG)	4	500	1,921		
214	64562N	SUB TAC W/F SYSTS (ENG)	4	34,425	46,944	41,894	46,141 U
215	64563N	SHPBD PHYS SECURITY (ENG)	4		2,436	2,349	2,205 U
216	64566N	ACGUSTIC COMM (ENG)	4	2,567			,
217	64567N	SHIP SUBSYS DEV/LBTS	4	120,887	78,064	101,275	118,582 U
218	64569N	NATO SEA GNAT	4	6,389	3,924	3,733	2,418 U
219	64573N	SHPBD EW IMPRGV	4	15,019	12,386	49,819	61,203 U
220	64574N	TACT EMBEDDED COMP PROG	4	31,704	18,644	9,498	9,692 U
221	64575N	AN/SQS-53C	4	57,575	47,944	50,893	44,041 U
222	64576N	INFLUENCE MCM	4	1,916			Þ
223	64578N	LINK BIRCH	4	1,200	5,169	7,522	4,154 U
224	64601N	MINE DEVEL (ENG)	4	12,697	12,433	18,841	19,490 U
225	64602N	NAVAL GUNNERY IMPRÖVEMENT	4	739	6,409	4,643	11,764 U
226	64603N	UNGUIDED CONVENT A/L WPNS	4	7,229	16,214	8,207	7,254 U
227	64604N	C/W WEAPONS	4	9,500	7,969	2,134	Þ
228	64608N	SAL GP/EG SENS DEVEL	4	16, 120	33, 651	45,511	40,572 U

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DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

-	4		1986 C	6,295 U	163,243 U	5	4,17 <b>4</b> U	58,738 U	9,71a U	64,427 U	1,770 U	5,934 U	12,517 U	71,108 U	⊃	⊃	41,984 U	5	4,066 U	15,26a U	18,226 U	<b>&gt;</b>	24,324 U	9,455 U
EXHIBIT R-1	01 FEB 1984	JF DÖLLAF	¥ :	9	163		4	58,	ด	64	<u>-</u>	ัด	12,	71,			4		4	15,	18,		24,	ด์
û	DATE: 01	AND	FY 1985	6,852	147,316		4,034	11,935	3,553	127,551		10,657	11,180	53, 558		3,125	31,834	486	3,361	5,647	32, 771	6,056	999'89	9,891
Σ			FY 1984	305	139, 251		3,174		13, 389	180,940		4,000	22,178	19,484	3,589	11,585	24,564	577	3, 795	4,411	19,663	4,774	28,376	9,786
R D T & E PROGRAM			FY 1983	2,683	18,000	9,519	2,926		11,969	1,59,884			15,574	13,697	9,773	17,000	31,567		3,356	1,333	31,770	10,150	1,700	14,292
FY 1985	NAVY	•	ACT	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY		ITEM NOMENCLATURE	BOMB FUZE IMPROV	ALWT (ENG)	GUN FCS IMP, PROG	JÖINT SERV EÖD DEV (ENG)	MC ASSAULT VEHICLES	GRD COMBAT/SUP ARMS SYS	MK 48 ADCAP (ENG)	ÖCEANĞG INSTRUMENT SPT	CHALK BANYAM	NAVY ENERGY PROGRAM (ENG)	COMMAND & CONTROL SYS(ENG)	TACTAS (AN-SQR-19)	AIR W/F TRAINING DEV	SURFACE W/F TRAINING DEV	SUBMARINE W/F TRAINING DEV	COMBAT SERVICES SUPP	INTELL/ELECT W/F SYS	COMMAND/CONT/COMM SYS	TAC AIR GPER CENTRAL 85	REGIONAL TACTICAL SURV	INTELLIGENCE (ENG)
	PPRGPRIATION	PROGRAM	NUMBER	64609N	64610N	64652N	64654N	64656M	64657M	64675N	64704N	64705N	64710N	64711N	64713N	64714N	64715N	64716N	64717M	64718M	64719M	64720M	64725N	64761N
	APPRC	<u> </u>  -	S	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249

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# DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT	_			0	EB 1984
1 1				1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! ! ! ! ! !	THOUSANDS	
L I NE NG	PRØGRAM ELEMENT NUMBER	ITEM NOMENCLATURE .	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
250	64771N	MEDICAL DEV (ENG)	4	8	1,	N N	ผ่
251	64779N	JINTACCS	4	6,414	7,832	16,263	21,436 U
252	64780M	JINTACCS MC	4	1,817	6,459	5, 229	1,668 U
253	64789N	SURV TOWED ARRAY SENSOR	4				3,168 U
254	65155N	FLT TACT D&E	4	17,666	17,218	16,353	19,244 U
255	65803N	ELECTROMAG SPECTRUM MNGMT	4	3,881	5,297	4,118	2,297 U
256	65853N	MANAG & TECH SUPPORT	4	10,684	11,019	9,584	12,392 U
257	65867N	C2 SURV/RECONN SPT	4	1,968	4,144	4,815	5,118 U
258	65871M	MC TAC EXPLOIT NAT CAP	4	508	399	427	543 U
259	24134N	A6 SQUADRONS	4	4,725	8,515	17,942	12,196 U
260	24136N	F/A-18 SQUADRØNS	4		16, 721	19,798	54,688 U
261	24152N	EARLY WARNING ACFT SODNS	4	52,105	53,328	39, 149	25,644 U
262	24161N	AVIATION SUPPORT CVW	4	3,108	6,914	3,021	1,928 U
263	24163N	FLT TELECOM (TAC)	4	23,087	32,747	75,346	80,361 U
264	24226N	PATROL COMBATANTS	4	200			495 U
265	24281N	SUBMARINES	4	6,432	7,300	5,443	3,956 U
266	24304N	MINES & MINE SUPPORT	4	1,481	894		J
267	24311N	UNDERSEAS SURVEILLANCE SYS	4	49,975	48,111	29, 725	32,537 U
268	24313N	SURTASS	4	6,985	478	5,751	7,287 U
269	24571N	SPECIAL PROJECTS	4	7,142	15,137	14,886	14,449 U
270	24573N	NAVY COVER & DECEPT PROG	4	14,315	16,249	24,923	23,651 U
					•	PAGE N-13	

# DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

			PY 1985 R D	LINI OF THE NAVY	Wa	EX	EXHIBIT R-1
APPR	APPROPRIATION	: 1319 N RESEARCH DEVELOPMENT TEST + EVAL,	NAVY			DATE:	01 FEB 1984
		1	1 1 1 1 1 1 1 1 1 4	1 1 1	 	THOUSANDS OF DOLLARS	!
L I NE NG	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT .	FY 1983	FY 1984	FY 1985	FY 1986 C
271	24575N	ELECTRONIC WARFARE SPT	4	8, 169	8, 164	14,254	19,028 U
272	24576N	COUNTER C3 DEV	4	9, 530	11,201	30,189	27,691 U
273	25601N	HARM IMPROVEMENT	4		8,497	19,569	21,667 U
274	25604N	JTIDS	4	91,170	109,627	141,699	150,327 U
275	25620N	ASW COMBAT SYS INTEG	4	15,993	15,096	12,247	13,36a U
276	25623N	SURF SHP SONAR MODRNIZATN	4	5,976	3, 359		D
277	25624N	AN/SGR-18 TACTAS	4	4,890			D
278	25633N	ACFT EQ REL/MAINT PROG	4	7,617	6,727	8,455	8,860 U
279	25634N	SUBMARINE SILENCING	4	10, 583	11,863	31,657	35,436 U
280	25645N	MODULR GLIDE WPN IMPR PROG	4	2,030	3,746		ס
281	25658N	LAB FLEET SUPPORT	4	4,669	5,682	6,414	7,174 U
282	25662N	A/C PROPULSION EVAL GEN	4	2, 835	3,055		ס
283	25663N	A/C FLIGHT TEST GENERAL	4	1,134			ם
284	25667N	F-14 A	4	14,723	41,984	293, 975	542,586 U
285	25670N	TACTICAL INTELL PROC SUP	4	1,942	1,910	2,037	2,078 U
286	25674N	EW COUNTER RESPONSE	4	12,653	23,394	44,111	58,278 U
287	25675N	ÖPERATIÖNAL REACTÖR DEV	4	2,855	17,789	12,861	12,955 U
288	26313M	MARINE CORPS TELECOM	4	2, 121	5,014	5, 191	4,718 U
289	26623M	GRD COMBAT/SUP ARMS SYS	4	7,088	21,894	19, 663	22,402 U
290	26624M	COMBAT SERVICES SUP	4	883	1,382	2, 253	2,291 U
291	26625M	INTELL/ELECT WARFARE SYS	4	777	583	576	1,170 U
				1	Δ.	PAGE N-14	
			12:12	- L - L - C C A			

DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

FY 1986 C 11,864 U  $\supset$ U 868,07 6,091 U 42,756 U 4,170 U 13,126 U 1,495 U 394 U 33,349 U 693 U 6,548,049 DATE: 01 FEB 1984 THOUSANDS OF DOLLARS 3,905 670 11,585 685 FY 1985 3,077 69,889 960, 69 25,313 5, 223, 531 6,165 17,371 PAGE N-15 4,626 1,483 2,888 939 8,058 1,153 3,891,400 4,517 57,603 64,372 FY 1984 21,053 20,851 2,010 926 49,367 5, 503 3,614,319 18,029 19,206 7,898 6,050 38,822 4,617 FY 1983 4,908 ACT D D ល B APPRÖPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY I TEM NOMENCLATURE SATELLITE COMMUNICATIONS FIELD OPER INTELL OFFICE C2 SYSTS PLAN/ENG SUPP COMMAND/CONT/COMM SYS M/C TECH SUPT C/C SYS ADV NAVIG DEVELOPMENT TECH RECONN AND SURV LONG HAUL COMM(DCS) NAVIGATION SYSTEMS PRAIRIE SCHÖÖNER 28010N TRI - AC-NAVY NAVSTAR GPS TACTICAL PROGRAMS 28010M TRI - AC-MC EHF SATCOM COMSEC 26627M 26626M 63518N 31303N 31326N PROGRAM ELEMENT NUMBER 64514N 64577N 65866N 33126N 64777N 31327N 33109N 33401N 292 293 295 296 299 303 304 302 306 298 300 302 294 297 301

DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FFB 1984 APPRØPRIATIØN: 1319 N RESEARCH DEVELØPMENT TEST + EVAL, NAVY

1		יייייייייייייייייייייייייייייייייייייי				DATE: 01 FEB 1984	
			1 1 1 1		i .	THOUSANDS OF DOLLARS	:
H N N N N N N N N N N N N N N N N N N N	ELEMENT NUMBER	ITEM NÖMENCLATURE		F₹ - :	4	FY 1985	FY 1986 C
307	34111N	SPECIAL ACTIVITIES	Ŋ				
	INTELL	INTELLIGENCE AND COMMUNICATIONS	1	266, 835	337,324	421,535	408,919
308	63728N	MANUFACTURING TECH	ø		49, 127		Þ
309	64208N	RANGE INST & SYS DEV	ဖ	10,498	9,403	20,273	21,246 U
310	64258N	TARGET SYSTEMS DEV	ဖ	44,727	56,429	84,197	119,332 U
31	64703N	TRNG & PERS SYS DEV	ဖ	6,958	3,224	5,636	3,736 U
312	64709N	JT MPWR/PERS PRÖTÖS	ဖ	2,152			⊃
313	65151M	STUDIES & ANAL SUP/MC	ဖ	1,354	1,815	2,199	2,308 U
314	65152N	STUDIES & ANAL SUP/NAVY	ဖ	5,180	5,261	3,554	4,062 U
315	65153M	МСФАБ	ဖ	2,755	2,679	2,960	3,659 U
316	65154N	CENTER FOR NAVAL ANAL/NAVY	ဖ	12,445	10,672	12,525	14,517 U
317	65156M	MC GPERATIONAL TRE	ဖ	863	2,527	2,618	1,907 U
318	65502N	SML BUSINESS INNOVATN RES	ဖ	3,805	16,300		ס
319	65804N	TECH INFØ SERVICES	ဖ	1,745	1,633	2,216	2,576 U
320	65852N	AUTEC	ဖ	43,658	44,893	48,565	52,548 U
321	65854M	DEVELOPMENT CENTER SUPPORT	ဖ	2,276	3,712	3,946	4,130 U
322	65857N	INTERNATIONAL RDT&E	ဖ	1,799	1,512	1,869	2,133 U
323	65859N	MOBILE SEA RANGE	ဖ	3,261	2,642	5,724	8,147 U
324	65861N	RDT&E LAB & FAC MGMT SPT	ဖ	63, 838	60,934	64,569	73,583 U
325	65862N	RDT&E INSTRUM & MATL SPT	ω	32,424	24,448	18,892	20,749 U
326	65863N	RDT&E SHIP & AIRCRAFT SPT	ဖ	67,893	65, 738	84,737	92,638 U

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DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984

APPRÖPRIATIÖN: 1319 N RESEARCH DEVELÖPMENT TEST + EVAL, NAVY

	PAGE N-17	¯.·	UNCLASSIFIED	Š			
11,676,119	9,826,076	7,571,718	6,100,131		RESEARCH DEVELÖPMENT TEST + EVAL, NAVY		TÖTAL
811,771	686,384	639, 601	605, 619		DEFENSEWIDE MISSION SUPPORT	DEFENSE	
55,788 U	21,482	789	273	σ	DEF METEGRØLØG SATELL PRØG	35160N	332
1,741 U	1,402	1,543	1,186	ø	WEATHER SERVICE	35111N	331
1,789 U	3,532	4,055	4,510	σ	PRØDUCTIVITY IMPRØVEMENT	65872N	330
ס			17,508	ω	STRATEGIC SYSTEMS TEST SUP	65870N	329
7,411 U	7,137	6,573	5,750	ဖ	OTRE CAPABILITY	65865N	328
317,771 U	288, 351	263,692	268, 261	ဖ	TEST AND EVAL SPT	65864N	327
ト ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	FY 1985	FY 1984	FY 1983	ACT	I TEM NOMENCLATURE	LINE ELEMENT NO NUMBER	L I NE
THOUSANDS OF DOLLARS	THOUSANDS		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i		PRØGRAM	

### **AIR FORCE**

#### DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

	SÜMMARY		DATE: 0	FEB 1984
			ြက္ခ	OF DOLLARS
	FY 1983	FY 198	FY 1985	FY 1
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	167,352	192,510	206,941	238,215
EXPLORATORY DEVELOPMENT	529,031	534, 748		621,568
ADVANCED DEVELOPMENT ENGINEERING DEVELCPMENT	938, 140	1,347,981	2,295,016 5,907,323	2,781,810 4.460.056
MANAGEMENT AND SUPPORT	•	788,662		923,038
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	7.918.854	8 754 581	9.874.830	9.024.687
	, 702, 3	,466,	,527,12	4,696,032
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, AIR FÖRCE	10,621,181	12,220,706	14,401,955	13,720,719
SUMMARY RECAP OF BUDGET ACTIVITIES				
	696,383	727, 258	777,656	859, 783
ADVANCED TECHNÖLÖGY DEVELÖPMENT	415,312	557, 229	583, 980	654, 183
STRATEGIC PROGRAMS	4,538,846	5,484,358	6,068,703	5,092,653
INTELLIGENCE AND COMMUNICATIONS	1,391,972	1,607,768	2, 934, 397	2, 937, 742
DEFENSEWIDE MISSION SUPPORT	1,438,389		999, 18	1,887,283
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, AIR FÖRCE	10,621,181	12, 220, 706	14,401,955	13,720,719
SUMMARY RECAP OF FYDP PROGRAMS				
	474,606	423, 563	409, 294	390,883
GENERAL PURPÖSE FÖRCES	554,170	610,610	845,690	
INTELLIGENCE AND COMMUNICATIONS	1,647,442	2, 351, 336	3,150,880	3,388,453
BESERVEL AND DEVEL SOMENT VEXUE BESERVE AND	9,604	08-1-190	33,116	28,443
Ī		-	787	
TRAINING MEDICAL AND GTHER		2,846	7,208	7,517
SUPPORT OF OTHER NATIONS		2,722	ิดั	
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, AIR FÖRCE	21,18	12, 220, 706	,401,95	,720,71

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

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	NOT WINDULL	4: GOOO T RESEARCH DEVELOPMENT TEST + EVAL	., AIR FORCE	; ; ; ; ; ; ;		DATE: 01	01 FEB 1984
<u>.</u>	PROGRAM	•	1	1		THGUSANDS OF DOLLARS	F DOLLARS
Š		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	E FY 1986 C
-	61101F	IN-HÖUSE LAB INDEPENDENT RESEARCH	-	12,624	13,069	16,826	19,755 U
N	61102F	DEFENSE RESEARCH SCIENCES	-	154,728	179,441	190,115	218,460 U
ო	62101F	GEÖPHYSICS	-	38, 731	40,037	37,116	40,456 U
4	62102F	MATERIALS	-	46,879	47,344	52,431	56,625 U
D	62201F	AERÖSPACE FLIGHT DYNAMICS	-	62,687	61,192	64, 193	66,382 U
9	62202F	AEROSPACE BIOTECHNOLOGY		41,228	42,114	47,382	52,217 U
^	62203F	AEROSPACE PROPULSION	-	53,788	55,893	60,445	63,808 U
Φ	62204F	AERÖSPACE AVIÖNICS/VHSI CIRCUITS	-	69,409	69,613	72,510	80,394 U
တ	62205F	TRAINING/SIMULATION TECH	-	17,226	22,477	23,240	27,105 U
0	62302F	RÖCKET PROPULSION	-	37,342	35,210	40,020	45,416 U
Ξ	62601F	ADVANCED WEAPONS	-	45,396	45,664	44,794	45,170 U
7	62602F	CONVENTIONAL MUNITIONS	, <del>-</del>	38,036	39, 500	42,820	49,074 U
13	62702F	COMMAND/CONTROL/COMMUNICATION	•	71,650	68,754	76, 935	84,872 U
4	62703F	PERS UTILIZATION TECH		6,659	6,950	8,829	10,049 U
	TECHNOLOGY	JLÜGY BASE		696,383	727,258	777,656	859,783
<u>.</u>	63106F	LÖGISTICS RESEARCH & DEV ROMTS	a		2,985	5,248	4,810 U
16	63202F	ACFT PRÖPULSIÖN SUBSYS INTEGRATIÖN	N	19,068	25, 325	26,967	29, 623 U
7	63203F	ADV AVIÖNICS FÖR ACFT	Ø	16, 561	19,900	21,822	24,106 U
18	63205F	FLT VEHICLE TECHNOLGGY	Q)	8,451	13,000	20,917	21,887 U
9	63208F	RECON SENSORS/PROCESSING TECHNOLOGY	α	4,600	4,975	8, 323	10,484 U
50	63211F	AEROSPACE STRUCTURES/MATERIALS	N	21,845	22,649	10,938	20,827 U
				UNCLASSIFIED		PAGE F-1-4	

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

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	01 FEB 1984	OF DOLLARS	FY 1986	8,719	34,460	2,990	7,624	4,507	13, 634	3,350	22,766	26,943	21,127	2,440	12,302	1,232		10,845		2,492	28,913	8,936	5,063	9,950	
İ	DATE: 01	THOUSAND	FY 1985	4,289	25, 454	1,000	8,055	7,486	10,726	3, 931	18,954	23,700	33, 155	1,094	5,547	1,234		15,417	2,994	700	30,726	2,829	3,730	6,985	PAGE F-2
			FY 1984	4,642	25, 132		7,762	6,698	6,866	2,895	12,039	23,950	23,523		1,273		46,243	17,672	970		6,283		1,045	7,129	<b>a.</b>
			FY 1983	669'8	27,579		8, 320	14,738	1,800		9,467	27,078	13, 921						892		4,339		1,000		
	L, AIR FORCE	ţ	ACT	α	α	Q)	N	N	Ø.	N N	N	α	QI.	N	N	N	N	N	N	N	N	N	N	N	Z
	3600 F RESEARCH DEVELÖPMENT TEST + EVAL,		ITEM NOMENCLATURE	AVIATION TURBINE FUEL TECHNOLOGY	ADV TURBINE ENGINE GAS GENERATÖR	SPECIAL POWER SYSTEMS	DOD COMMON PROG LANGUAGE (ADA)ADV DEV	ADVANCED SIMULATOR TECHNOLOGY	CREW SYSTEMS TECHNÖLÖGY	ACFT NON-NUCLEAR SURVIVABILITY	ADV FIGHTER TECH INTEGRATION	LINCÖLN LABÖRATÖRY	ADVANCED SYSTEM INTEGRATION DEMO	CARTOG APPLICATIONS-TAC & STRAT SYS	SPACE & MSL RÖCKET PRÖPULSIÖN	ADV MSL SUBSYSTEMS DEMONSTRATION	STRATEGIC LASER SYSTEMS TECHNÖLÖGY	ADVANCED TECHNÖLÖGY CRUISE MISSILE	HYPERVELÖCITY MISSILE	SPACE BIGTECHNOLGGY	ADVANCED SPACECRAFT TECH	ADV MILITARY SPACEFLIGHT TECHNÖLÖGY	SPACE SYS ENVIRON INTERACTIONS TECH	MSL SURVEILLANCE TECH	
	APPROPRIATION:	PRØGRAM	ELEMENT	63215F	63216F	63217F	63226F	63227F	63231F	63244F	63245F	63250F	63253F	63259F	63302F	63313F	63314F	63319F	63363F	63365F	63401F	63406F	63410F	63424F	
	APPRC		L I NE NG	2	22	23	24	22	56	27	28	59	30	3	32	33	8	35	36	37	38	39	40	4	

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1 01 FEB 1984 DATE: APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

	PRØGRAM		1			THOUSANDS OF DOLLARS	
LINE NO	ELEMENT NUMBER	ITEM NÖMENCLATURE	ACT 	FY 1983	FY 1984	,	FY 1986 C
4	63452F	VERY HIGH SPEED INTEGRATED CIRCUITS	a	66,004	120,109	119,978	102,910 U
4 &	63601F	CONVENTIONAL WEAPONS	Ø	19,177	18,000	21,749	28,687 U
4 4	63605F	ADVANCED RADIATION TECH	a	87,466	46,680	12,399	37,146 U
4 ت	63704F	MANPOWER & PERSONNEL SYS TECH	Q		962	2,039	2,247 U
46	63707F	WEATHER SYSTEMS	α		3,212	2,955	2,460 U
47	63718F	ELECTRÖNIC WARFARE TECHNÖLÖGY	α		20,136	22,105	25, 683 U
<b>6</b>	63723F	CIVIL/ENVIRGNMENTAL ENGR TECH	α	4,102	4,385	17,247	11,716 U
9	63726F	FIBER OPTICS DEVLOPMENT	α		2,702	3,053	3,946 U
20	63727F	ADVANCED COMMUNICATIONS TECHNOLOGY	N		3,824	4,838	5,003 U
5	63728F	ADVANCED COMPUTER TECHNOLOGY	α	3,457	6,858	6,672	U 686,9
52	63743F	ELECTRÖ-ÖPTICAL WARFARE	Ø	13,200	16,214	17,808	20,165 U
53	63745F	CHEMICAL WARFARE DEFENSE	α	5,577	4,554	3,824	4,301 U
54	63750F	CGUNTER/CGUNTERMEASURES -ADV DEV	N	5,991	7,960	10,444	12,734 U
22	63751F	INNOVATIONS IN EDUCATION/TRAINING	8	2,550	4,478	5,070	4,881 U
56	63752F	DOD SOFTWARE ENGINEERING INSTITUTE	α			7,983	11,940 U
57	63789F	COMD/CNTRL/COMM ADV DEV	Ø				33,351 U
	ADVANC	ADVANCED TECHNÖLÖGY DEVELÖPMENT		415,312	557,229	583,980	654, 183
58	63258F	COMMON STRATEGIC ROTARY LAUNCHER	ღ	63, 625	63, 215	77,304	68,711 U
8	63303F	TRIM (T)	ო				2,956 U
9	63311F	ADVANCED STRATEGIC MISSILE SYSTEMS	ო	49,737	74,250	108,304	179,971 U
61	63312F	ADVANCED CONCEPTS	ო				

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1 DATE: 01 FEB 1984 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

	0 0 0 0 0		1 1 5 6 1 1 1	1	ı	THOUSANDS OF	DØLLARS
L I NE NG	ELEMENT	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
62	63319F	ADVANCED TECHNOLOGY CRUISE MISSILE	ო	26, 782			כ
63	63364F	ADVANCED AIR TO SURFACE MISSILE	ო			54,418	127,99 <b>4</b> U
64	63424F	MSL SURVEILLANCE TECH	ო	11,545			Þ
65	63425F	ADVANCED WARNING SYSTEMS	ო	10,000	12,832		Þ
99	63428F	SPACE SURVEILLANCE TECHNÖLÖGY	ო	20,285	12, 563		
67	63716F	ATMOSPHERIC SURVEILANCE TECH	ო			4,908	6,887 U
89	63735F	WWMCCS ARCHITECTURE	ღ	13,810	14,412	10,968	10,458 U
69	64221F	SPECIAL IMPROVEMENT PROJECTS	ო				
20	64226F	B-18	ო	753, 500	737,200	508,277	375,234 U
7	64312F	ICBM MØDERNIZATIØN	ო	2,407,162	2,452,237	2,440,786	1,496,03a U
72	64326F	STRAGEGIC CÓNV STANDÓFF CAPA (SASC)	ო		23,760	21,619	8,228 U
73	64361F	AIR LAUNCHED CRUISE MISSILE	ო	166,897	38,172	28,039	26, 615 U
74	64406F	SPACE DEFENSE SYS	ဗ	213,291	203, 568	143,278	101,731 U
75	64711F	SYSTEMS SURVIVABILITY (NUC AFFECTS)	ო	12,037	11,703	9,057	10,587 U
92	11113F	B-52 SQUADRØNS	က	90,951	76,098	22, 167	8,072 U
77	11135F	AIRCRAFT SURVIVABILITY ENHANCEMENTS	ო				
78	11142F	KC-135 SQUADRØNS	ო	27,157	9,207	4,010	988 U
79	11213F	MINUTEMAN SQUADRØNS	ო	7,177	4,907	4,672	32,932 U
80	11312F	PACCS/WWABNCP SYS EC-135 CL V MODS	ო	17,087	4,455	799	927 U
8	11316F	SAC COMMUNICATIONS	ო	30,771	12,375	1,546	3,054 U
82	12310F	NCMC - TW/AA SYSTEMS	ო	4,732	23,413	23,834	47,990 U

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

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EXHIBIT R-1

S--МΩ ⊃ ⊃ ⊃ ⊃  $\supset$ ⊃ ⊃  $\supset$ ⊃  $\supset$ 15,358 U 19,136 U 21,784 U 114,801 U ⊃  $\supset$ 68,507 U 50,07a U  $\supset$  $\supset$ 2,940 70,478 1,069 7,870 67,991 FY 1986 9,574 13,324 6,814 49,884 340,779 9,047 1,972 THOUSANDS OF DOLLARS 1,802 34,795 FY 1985 3,214 52,253 11,890 10,016 10,214 12,219 63,094 60,904 63,985 27,102 116,900 32,629 41,592 325,042 1,958 11,661 5,256 1,875 5,009 762 24,537 96,875 10,699 FY 1984 3,719 30,170 2,966 46,964 46,669 20,427 25,005 177,552 148,409 2,153 7,548 107,751 2,643 FY 1983 1,283 1,187 8,000 77,170 6,119 43,129 10,262 2,370 7,886 24,211 21,583 19,885 6,470 5,000 46,691 117,627 ACT က က က ო က က က ტ က က က က က BALLISTIC MSL TAC WNG/ATK ASSES SYS MINIMUM ESSENTIAL EMER COMM NETWORK WWMCCS INFORMATION SYSTEM - JPMG THEATER NUC WPN STORAGERSEC SYS SPACE DEFENSE INTERFACE NETWORK BALLISTIC MSL EARLY WNG SYSTEM SURVEILL RADAR STATIONS/SITES NCMC - SPACE DEFENSE SYSTEMS CONU OVER-THE HORIZON RADAR COMD CTR PROCESS/DISPLAY SYS I TEM NOMENCLATURE SLBM RADAR WARNING SYSTEMS JOINT SURVEILLANCE SYSTEM DEFENSE SUPPORT PROGRAM MILSTAR COMM SAT SYSTEM AIR FORCE SAT COMM SYS SATELLITE DATA SYSTEM NEAC /E-4B CL V MODS DEW RADAR STATIONS SPACE DEFENSE OPS SPACETRACK BERNIE PRØGRAM ELEMENT NUMBER 12311F 12411F 12313F 12325F 12417F 2423F 2424F 2431F 12412F 12432F 12433F 12436F 12450F 33131F 32015F 33154F 33601F 33603F 3515F 35172F 35158F L! NE NG

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

			Y 1985 R	D T & E PROGRAM	YAM.	Ë	EXHIBIT R-1
4	AFFKOFKI ATION:	3600 F RESEARCH DEVELØPMENT TEST + EVAL,	AIR FÖRCE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DATE: 01	FEB
,						THOUSANDS OF DOLLARS	-
L I NE NG NG NG	E ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 198	FY 1984	FY 1985	FY 1986 C
104	35892F	SPECIAL ANALYSIS ACTYS	ო		t	; ; ; ; ;	; ; ; ; ; ; ;
	STRATE	STRATEGIC PRØGRAMS		4,538,846	5,484,358	6,068,703	5,092,653
105	63230F	ADVANCED TACTICAL FIGHTER	4	20,010	34,650	94, 287	249.830 11
106	63239F	ADV TACTICAL AIR RECONNAISSANCE SYS	4			3,735	
107	63244F	ACFT NÖN-NUCLEAR SURVIVABILITY	4	2,011		•	
108	63249F	NIGHT ATTACK PROGRAM	4	5,206	3,711		· =
109	63256F	JNT SERVICE ADV VERT LIFT ACFT (JVX)	4			1.086	0 7 7
110	63307F	AIR BASE SURVIVABILITY & RECOVERY	4		3.794	4 426	
111	63366F	ADVANCED AIRCRAFT GUN	4		•		
112	63437F	HAVE DJINN	4				
113	63609F	ADV ATTACK WEAPONS	4	17,999		20,024	1708 80
114	63714F	DOD PHYSICAL SECURITY EQ-EXTERIOR	4	3,911	3,601	1.885	
115	63718F	ELECTRÓNIC WARFARE TECHNÖLŐGY	4	11,697	•		
116	63726F	FIBER OPTICS DEVLOPMENT	4	2,864			o =
117	63727F	ADVANCED COMMUNICATIONS TECHNOLOGY	4	6,572			> =
118	63742F	COMBAT IDENTIFICATION TECHNOLOGY	4	13, 186	13,499	19.324	10 20 20 20 20 20 20 20 20 20 20 20 20 20
119	63747F	PAVE MOVER	4	2,003			
120	63749F	C3CM ADVANCED SYSTEMS	4		066	999	4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
121	63770F	JT SURV, TGT ATK RADAR SYS(JSTARS)	4			3.318	
122	63801F	SPECIAL PRØGRAMS	4			•	
123	64201F	ACFT AVIONICS EQUIPMENT DEVELOPMENT	4	12,967	18,810	25, 809	25, 395 U

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# DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984 EXHIBIT R-1 APPRÖPRIATIÖN: 3600 F RESEARCH DEVELÖPMENT TEST + EVAL, AIR FÖRCE

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!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	: : : : :	1		1	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	THOUSANDS OF	DOLLARS
L I NE NG NG	PRØGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	F   C   C   C   C   C   C   C   C   C
124	64209F	F-100 DURABILITY	4		32,500	14,003	2,954 U
125	64212F	AIRCRAFT EQUIPMENT DEV	4	2,089	7,680	12,047	16,972 U
126	64218F	ENGINE MÖDEL DERIVATIVE PRÖG	4	35, 734	58,513	9, 198	21,950 U
127	64220F	EW COUNTER RESPONSE	4	21,315	28,903	23,917	36,293 U
128	64222F	NUCLEAR WEAPONS SUPPORT	4	2,298	1,912	1,947	2,080 U
129	64223F	ALTERNATE FIGHTER ENGINE	4	97,747	94,955	56,943	14,687 U
130	64231F	C-17 PRÖGRAM	4	60,000	26, 565	129,285	364,186 U
131	64247F	MODULAR AUTOMATIC TEST EQUIPMENT	4	33, 784	16,034	15, 798	13,387 U
132	64249F	NIGHT PRECISION ATTACK	4	99,864	58,092	98, 338	43,615 U
133	64268F	ACFT ENGINE COMPONENT IMPROVE PROG	4	107,322	125,230	149,785	166,551 U
134	64302F	DEF SUPPRESSION WPNS ENG DEV	4			14,795	17,708 U
135	64313F	NEXT GENERATION TRAINER	4	52,045	122,260	77,977	55,916 U
136	64314F	ADV MED RANGE AIR TƠ-AIR MSL	4	207,065	186, 735	217,749	103,401 U
137	64321F	JOINT TACTICAL FUSION PROGRAM	4	5,495	4,713	17,787	22,761 U
138	64324F	JOINT TACTICAL MISSILE SYSTEM	4			35,509	86,571 U
139	64362F	GRD LAUNCHED CRUISE MSL	4	28, 331	36, 167	18,654	Þ
140	64601F	C/B DEFENSE EQUIPMENT	4	16,465	15,415	18,222	13,193 U
141	64602F	ARMAMENT GRDNANCE DEVELOPMENT	4	19, 538	20,660	20,764	21,849 U
142	64604F	SUBMUNITIONS	4			48,677	38,776 U
143	64606F	JÖINT TACTIÇAL MISSILE SYSTEM	4	24,750	9,821		כ
144	64607F	WIDE AREA ANTI ARMOR MUNITION	4	13,729	23, 500	27,306	12,558 U
			3	0 0 0 0	PAGE	GE F-7	
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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1 DATE: 01 FEB 1984 APPRÖPRIATIÖN: 3600 F RESEARCH DEVELÖPMENT TEST + EVAL, AIR FÖRCE

	PROGRAM		1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		THOUSANDS OF	OF DOLLARS
LI NE		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
145 15	.64608F	CLOSE AIR SUPPORT WEAPONS SYSTEM	4	4,184	1,505		Ξ
146	64612F	LOW LEVEL LASER GUIDED BOMB	4	3,002			Þ
147	64614F	MEDIUM RANAGE AIR TÖ-SURFACE MISSILE	4	42,352			Þ
4 8	64616F	JSTARS	4	29,328	41,019		<b>n</b>
149	64617F	AIR BASE SURVIVABILITY & RECOVERY	4		6,106	18,092	23,992 U
150	64703F	AERGMEDICAL SYSTEMS DEVELGPMENT	4		3,824	7,007	9,726 U
151	64706F	LIFE SUPPORT SYSTEM	4	12,013	14,689	15,649	19,852 U
152	64708F	OTHER OPERATIONAL EQUIPMENT	4	19,203	9,956	22,846	21,469 U
153	64710F	RECONNAISSANCE EQUIPMENT	4	5,088	8,382	9,631	25,372 U
154	64715F	DØD PHYSICAL SECURITY EG-EXTERIØR	4	19,095	14,969	12, 562	13,214 U
155	64724F	TAC C3 COUNTER MEASURES	4	24,626	28, 237	28,100	23,941 U
156	64725F	COMBAT IDENTICATION SYSTEMS	4	18,800	23, 645	16,046	31,454 U
157	64733F	SURFACE DEF SUPRESSION	4	5,705	9,405	24, 533	18,396 U
158	64737F	AIRBGRNE SELF PROTECTION JAMMER	4	47,426	41,819	29, 149	11,467 U
159	64738F	PROTECTIVE SYSTEMS	4	108,222	48,468	48,565	52,239 U
160	64739F	TACTICAL PROTECTIVE SYSTEMS	4	26,493	33, 237	86,631	62,779 U
161	64740F	COMPUTER RESCURCES MGT TECH	4	4,297	6,297	12,358	15,454 U
162	64742F	PRECISIÓN LÓCATIÓN STRIKE SYSTEM	4	78,727	69,027	82,996	63,344 U
163	64750F	INTELLIGENCE EQUIPMENT	4	14,812	12,675	15,255	15,020 U
164	64753F	COMBAT HELICOPTER MODERNIZATION	4	27,222	36, 222	81,306	28,986 U
165	64754F	JT TAC INFO DIST SYS	4	52,513	45,540	86,703	95,280 U

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UNCLASSIFIED
DEPARTMENT OF THE AIR FORCE

		•	FY 1985	R D T & E PROGRAM	IAM.	EX	EXHIBIT R-1
APPF	APPROPRIATION:	3600 F RESEARCH DEVELOPMENT TEST + EVAL,	R FOR			DATE:	1984
! ! !	I	1				THOUSANDS OF	S OF DOLLARS
LINE		ITEM NOMENCLATURE	ACT	FY 19	் செ		986
166	64756F	SIDE LOCKING AIRBORNE RADAR (SLAR)	4	30,492	23,644	24,547	22,102 U
167	64770F	JSTARS	4		,•	94,966	110,56a U
168	64779F	JT INTEROPERABILITY TAC COMD/CNTRL	4	3,837	5,410	13,452	9,342 U
169	11133F	SR-71 SQUADRØNS	4				
170	27128F	F-4 SQUADRONS	4				13,895 U
171	27129F	F-111 SQUADRONS	4	38,190	75,240	71,942	46,259 U
172	27130F	F-15 SQUADRONS	4	115,212	107,605	82,867	34,339 U
173	27131F	A-10 SQUADRONS	4	6,000	2,639	4,108	3,170 U
174	27132F	FIGHTER DERIVATIVE	4		19,315	146,950	244,226 U
175	27133F	F-16 SQUADRGNS	4	71,933	104,412	83,428	44,756 U
176	27136F	F-40 WILD WEASEL SQUADRONS	, <b>4</b>	20,000	37,620	55,267	40,505 U
177	27162F	TACTICAL AGM MISSILES	4	4,790	4,065	3, 695	ם
178	27247F	AIR FÖRCE TENCAP	4	285	271	260	255 U
179	27411F	GVERSEAS AIR WEAPON CONT SYS	4	2,896	3,280	3,154	3,135 U
180	27412F	TACTICAL AIR CÖNTRÖL SYSTEM	4	21,775	8,553	28,397	22,870 U
181	27417F	AIR BORNE WARNING & CONTROL SYS	4	66,980	63, 360	76, 595	101,951 U
182	27423F	ADV COMM SYS	4	12,079	38,720	86,963	116,576 U
183	27431F	TAC AIR INTELL SYS ACTYS	4	8,243	1,439	1,579	2,950 U
184	27435F	TACTICAL RECON IMAGERY EXPLOITATION	4			1,156	2,460 U
185	27584F	SEEK AXLE	4				
186	27585F	SEEK SPINNER	4	28,900	30,574		

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

1			008	K U I & E PROGRAM	RAM		EXHIBIT R-1
AFF	AFFKOFKIATION:	3600 F RESEARCH DEVELÖPMENT TEST + EVAL,	AIR FORCE	1 1 1 1 1 1 1 1 1		DATE:	_
-			į			THOUSANDS OF DOLLARS	1 1
N N N N	NUMBER	ITEM NÖMENCLATURE	ACT	FY 1983	6 1	FY 1985	
187	27591F	CMEGA	4			1 1 4 1 1 1	 
188	27595F	BASE COMM - TACTICAL AIR FORCES	4		476	985	
189	28010F	JT TACTICAL COMM PRÓG (TRI-TAC)	4	. 47,614	20,587	11.467	
190	28041F	JÖINT ADVANCED SYSTEMS	4		•		
191	28042F	HAVE FLAG	4				
192	33605F	SATELLITE COMMUNICATIONS TERMINALS	4			2,860	2,735 11
193	35887F	ELECTRÖMAGMETIC COMBAT INTEL SPT	4	1,523	1,822	1,928	
194	41115F	C-130 AIRLIFT SQUADRÖNS (IF)	4		461	789	
195	41118F	C-141 AIRLIFT SQUADRGNS (IF)	4		3,118		) D
196	41119F	C-5 AIRLIFT SQUADRØNS (IF)	4	7,327	4,384		· 5
197	41129F	THEME CASTLE	4				1
198	41314F	GPERATIONAL SUPPORT AIRLIFT	4	2,277			5
199	41840F	MAC CGMMAND/CGNTRGL SYS	4		3, 227	4.413	5.322
200	41841F	WWMCCS ADP MAC	4			•	
	TACTIC	TACTICAL PROGRAMS		2,140,279	2,201,177	2,954,397	
201	63431F	SPACE COMMUNICATIONS	Ю	36,849	39, 525	44.413	51.070 U
202	64778F	NAVSTAR GPS USER EQUIPMENT	ľ	122,568	94,757	60.970	
203	27582F	HAVE TRUMP	מו		•		
204	31305F	INTELLIGENCE PRODUCTION ACTIVITIES	n N				
205	31310F	FÖREIGN TECHNÖLÖGY DIVISÖN	വ				
206	31314F	INFRARED PROCESSING + EXPLOITATION	ro.		243		

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

		O IL	DEPARTMENT OF FY 1985 R D	JF THE AIR FORCE D T & E PROGRAM	CE AM	EX	EXHIBIT R-1
APPR	APPROPRIATION:	3600 F RESEARCH DEVELÖPMENT TEST +	EVAL, AIR FORCE			DATE: 01	FEB 1984
 	1 1 1 1 1 1 1 1 1		                 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	1
L I NE NO	PRGGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	・
202	31315F	MISSILE AND SPACE TECH COLLECTION	ľ	651			
208	31316F	TECHNICAL SENSOR COLLECTION	ĸ	2,000	2,780		
209	31317F	SENIOR YEAR OPERATIONS	വ				
210	31324F	FOREST GREEN	ın				
211	31339F	INTEL COMM & DEF SPEC SECURITY SYS	ın				
212	31357F	INTEG OPERATIONAL NUDETS DETECT SYS	ID.	1,996	1,073		
213	33110F	DEF SATELLITE COMM SYS	ıo	41,933	39,836	31,629	3,104 U
214	33126F	LONG HAUL COMMUNICATIONS (DCS)	ın	13,237	6,123	9, 329	11,543 U
215	33144F	ELECTROMAG COMPATIBILITY ANAL CTR	ľ	7, 337	7,051	7,764	U 860,8
216	33401F	COMMUNICATIONS SECURITY	NO.	1,621	1,527		
217	34111F	SPECIAL ACTIVITIES	Ŋ	1,126,200	1,336,270		
218	35114F	TRAFFIC CNTRL/APPROACH/LANDING SYS	ıo	4,195	6,075	11,766	25,825 U
219	35164F	NAVSTAR GLØBAL PØS SYS (USER EQ)	ıo		6,709	090'6	22,900 U
220	35165F	NAVSTAR GPS (SPACE/GRD SEGMENTS)	ю		25, 243	33,464	57,005 U
221	84733F	GEN INTELLIGENCE SKILL TNG	Ŋ	1	2,846	7,208	7,517 U
	INTELL	INTELLIGENCE AND COMMUNICATIONS		1,391,972	1,607,768	2,018,033	2,269,075
222	63248F	CÖNCEPT DEVELÖPMENT	ဖ		495	2,479	3,095 U
223	63402F	SPACE TEST PROGRAM	ဖ	64,573	70,356	71,500	72,983 U
224	63438F	SATELLITE SYS SURVIVABILITY	ဖ	20, 525	29,511	5,519	8,179 U
225	63707F	WEATHER SYSTEMS	ဖ	3,638			D
226	64211F	ADV AERIAL TARGETS DEV	ဖ	12,648	10,278	3,409	7,302 U
			=			PAGE F-11	

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

⊃ S--ШΟ ⊃ 17,345 U 7,614 U 1,494 U ⊃ ⊃ 367,063 U 451,971 U 3,981 U 49,680 U 145,909 U 15,154 U 9,12G U 35,307 U 3,450 U 72,086 19,560 4,330 FY 1986 134,147 DATE: 01 FEB 1984 THOUSANDS OF DOLLARS EXHIBIT R-1 FY 1985 7,585 149,880 7,811 18,749 354,130 8,283 16,766 437,464 6, 139 345, 764 16,771 75,054 7,137 3,308 3,631 47,511 8,030 7,130 24,279 5,945 309, 719 4,950 1,980 333,988 63,500 16,463 387,648 FY 1984 17,864 5,025 53, 704 2,363 7,443 6,007 5,737 840 6,225 4,433 35,468 7,016 281,950 1983 356, 334 26,962 15,992 363, 520 16,721 ¥ APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE ACT ဖ ω σ ω ဖ LØGISTICS TECH FOR WEAPONS SYSTEMS RANCH HAND II EPIDEMICLOGY STUDY ELECTROMAG RADIATION TEST FACIL ACQUISITION AND COMMAND SUPPORT 8 8 0 IMPROVED CAPABILITY FOR RDT+E SMALL BUSINESS INNOVATION DEV NAV/RADAR/SLED TRACK TEST SPT FLIGHT SIMULATOR DEVELOPMENT ITEM NOMENCLATURE AUDICVISUAL ACTIVITIES -ADV SYS ENGINEERING/PLAN PRODUCTIVITY IMPROVEMENT TEST AND EVALUATION SPT TELECOM RDT&E AIRCRAFT SUPPORT RANGE IMPROVEMENT PRØJECT AIR FØRCE WEATHER SYSTEMS SPACE SHUTTLE ACQ/COMD SPT PROGRAM ELEMENT NUMBER 64747F 64755F 65101F 64227F 64411F 64609F 64707F 65502F 65708F 65806F 65304F 65863F 64735F 65306F 65807F 65808F 65872F 65890F 228 229 230 233 234 235 236 240 227 232 238 239 242 243 244 231 237 241

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DEPARTMENT OF THE AIR FORCE FV 1985 - R D T & F EDECEAM

EXHIBIT R-1	DATE: 01 FEB 1984	
FY 1985 R D T & E PROGRAM	APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	***************************************

L I NE	PRØGRAM ELEMENT		;		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF	DØLLARS
	NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
	65898F	MGT HQ (RESEARCH/DEV)	9	37,354			Þ
	33151F	WWMC S - ADP	9			680	4,731 U
	35110F	SATELLITE CONTROL FACILITY	ဖ	60,219	71,725	99, 224	53,850 U
248	35119F	SPACE BØØSTERS	ဖ	15,011	15,441	20,356	8,962 U
249	35130F	CONSOLIDATED SPACE OPERATIONS CENTER	ဖ	27,526	70,677	72, 698	89,289 U
250	35160F	DEF METEGRØLØGICAL SATELLITE PRØG	ဖ	23,072	25,270	42,566	76,651 U
251	35171F	SPACE LAUNCH SUPPORT	ဖ	16,419	34,180	93, 835	115,975 U
252	71112F	INVENTORY CONTROL POINT OPERATIONS	ω <sub>.</sub>			1,371	14,274 U
253	78011F	INDUSTRIAL PREPAREDNESS	ဖ	1,977	49,005	61,859	71,120 U
254	78019F	UTAH TESTING + TRAINING RANGE	ဖ	1,991	2,207		<b>.</b>
255	78026F	PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG	ဖ	9,681	12,646	14,865	19,747 U
256	01004F	INTERNATIONAL ACTIVITIES	ဖ	2,856	2,722	2,842	2, 908 U
	DEFENS	DEFENSEWIDE MISSION SUPPORT		1,438,389	1,642,916	1,999,186	
TÖTAL		RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE		10, 621, 181	12, 220, 706	14,401,955	13,720,719

PAGE F-13

# DEFENSE AGENCIES

DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

EXHIBIT R-1

	SUMMARY	; ; ; ; ; ; ;	0 1	FEB 198
		; ; ; ; ; ; ;	THOUSANDS	ØF DØLLARS
	FY 1983	FY 1984	FY 1985	FY 1986
SUMMARY RECAP OF REVEARCH CAIRGORIES				
TINDE TOTAL	106,058	110,367	104,374	121,291
EXTLORATORY DEVELOTHENT ADVANCED DEVELCHMENT	16,588	356, 176	2.027,447	4,032,033
ENGINEERING DEVELOPMENT	8,719	5,569	•	•
MANAGEMENT AND SUPPORT	i	880'96	89,692	114,647
RESEARCH AND DEVELGPMENT (FYDP PRGGRAM 6)	1,116,826	ຸຕຸ	58,61	5, 202, 593
ØPERATIØNAL SYSTEMS DEVELØPMENT	1,036,363	1,442,325	1,749,293	1,888,658
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	707,90	091,25
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	1,033,350	867,262	832,688	1,046,193
ADVANCED IECHNOLOGY DEVELOFMEN! STRATEGIC PROGRAMS	84,961	76,497	59, 31	4,002,243 54,702
TACTICAL PROGRAMS	700	2,060	2,134 1 708 531	2,123
DEFENSEWIDE MISSION SUPPORT		103,943	11,79	134,049
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	4,707,906	7,091,251
GENERAL PURPOSE FORCES	700	2,060	2,134	2,123
INTELLIGENCE AND COMMUNICATIONS RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	1,033,663	1,438,110	1,746,239	1,884,579
)	2,000	2,155	920	1,956
RESEARCH DEVELÖPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	4,707,906	7,091,251
SUMMARY RECAP OF DEFENSE AGENCIES				
	70,300	130, 142	207.444	
DEPARTMENT OF DEFENSE (OSD AND CASDS)	53	95, 993	1,846,112	3,862,559
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY NATIONAL SECURITY AGENCY	728, 600	864,052	714,530	886,912
6	4.	321,458	347,014	389,102
RECONNAISSANCE SUPPORT TRUGRAM COMMUNICATIONS AGENCY	109,575	104,404	81,770	74,082
DEFENSE INTELLIGENCE AGENCY DEFENSE I MOISTICS AGENCY	000	. 10 CRR	900	20 478
UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES	ğ-	<u>,                                    </u>	ğ –	, - , -
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	4,707,906	7,091,251

# DEFENSE AGENCIES FY 1985 R D T & E PRÖGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH

Ž I			AGENCIES	1 1 1 1 1 1 1 1 1		DATE: 01	FEB 1984
	PREGRAM				- -	THOUSANDS OF	DØLLARS
LINE			† † †	 			8
ğ	NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
-	61101E	DEFENSE RESEARCH SCIENCES	-	104,258	108,600	102,500	119,300 U
N	61101W	IN-HÖUSE LAB INDEPENDENT RESEARCH	-	1,800	1,767	1,874	U 199,1
က	62101E	TECHNICAL STUDIES	-	1,000	1,200	1,500	1,800 U
4	62107E	THIRD GENERATION DEFENSE TECHNOLOGY	-		8,000		<b>-</b>
ß	62301E	STRATEGIC TECHNÖLÖGY	-	163,897	205, 500	150,700	249,700 U
9	62702E	TACTICAL TECHNÖLÖGY	-	83,853	99,437	109,000	131,000 U
^	62707E	PARTICLE BEAM TECHOLOGY	-	36,277	33,100	17,400	32,400 U
ω	62708E	INTEGRATED COMD/CONTROL TECH		48,407	48,000	53,000	57,400 U
တ	62711E	EXPERIMENTAL EVAL MAJ INNOVATIVE TECH	-	244,770			<b>.</b>
0	62712E	MATERIALS PRÖCESSING TECH	•	17,153	23,700	29,200	37,100 U
11	62714E	NUCLEAR MONITORING	-	17,935	16,500	20,500	26,400 U
2	62715H	DEFENSE NUCLEAR AGENCY	-	314,000	321,458	347,014	389, 102 U
	TECHNÖLÖGY	ILOGY BASE		1,033,350	867,262	832,688	1,046,193
<u>ღ</u>	63220D	SURVIELLANCE, ACQUISTION AND TRACK	Ø		10,000	721,000	1,491,200 U
4	63221D	DIRECTED ENERGY	, N	ı.	10,000	489,000	1,020,000 U
ស	63222D	CONVENTIONAL WEAPONS	N <sub>0</sub>		10,000	356,000	870,30a U
16	63223D	SYSTEMS CONCEPT AND MANAGEMENT	0		10,000	000'66	137,500 U
17	63224D	SUPPORT PROGRAMS	N		10,000	112,000	270,800 U
18	63225D	JOIN DOD-DOE MUNITIONS TECH DEV	Q.			10,000	10,000 U
			UNCLA	UNCLASSIFIED		PAGE D-1.2	

DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

EXHIBIT R-1

		FY 1	FY 1985	R D T & E PROGRAM	АМ	Ω.	EXHIBIT R-1
APPR	APPRÖPRI AT I ÖN:	0400 D RESEARCH DEVELÖPM	AGENCI			DATE: 01	FEB 1984
! !	PROGRAM		! 1 ! ! ! !			THØUSANDS ØF	DÖLLARS
L I NE NG		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
19	63226E	EXP EVAL OF MAJOR INNOVATIVE TECH	N		283, 615	204,300	200,000 U
20	35108K	COMMAND AND CONTROL RESEARCH	, <b>Q</b> I		1,882	2,011	2,443 U
	ADVANC	ADVANCED TECHNOLOGY DEVELOPMENT			335, 497	1,993,311	4,002,243
2	63735K	WWMCCS ARCHITECTURE	ო	1,262	1,227		J
22	32016K	NMCS-WIDE SUPPORT	ო	8,490	15,317	12,064	9,803 U
23	32017K	WWMCCS ADP-JTSA	ო	22,861	2, 868	1,530	D
24	32019K	WWMCCS SYSTEM ENGINEER	ო	42,503	39,452	30,637	28,994 U
22	33131K	MINIMUM ESSENTIAL EMER COMM NETWORK	ო	9,845	12,613	15,213	15,905 U
	STRATE	STRATEGIC PROGRAMS			76,477	59,444	54,702
56	21135K	CINC C2 INITIATIVES	4	700	2,060	2,134	2,123 U
27	62716B	MAP/CHART/GEGDESY	Ŋ			513	1,052 U
28	63701B	MAP/CHART/GEGDESY INV/PROTOTYPE DEV	ហ	15,326	15,634	14,961	14,787 U
29	64701B	MAP/CHART/GEØDESY ENGR DEV/TEST	េ	8,719	5, 569	8,273	8,668 U
30	310116	CRYPTOLOGIC ACTIVITIES	ល				
93	31301L	GENERAL DEFENSE INTELLIGENCE PROGRAM	ស				
32	31398L	MANAGEMENT HEADQUARTERS GDIP	ľ	233	339		D
33	33126K	LONG-HAUL COMMUNICATIONS (DCS)	ស	19,424	20,866	9,937	10,192 U
34	33127K	SUPPORT OF THE NCS	ĸ	4,490	3,119	8,244	4,622 U
35	334016	COMMUNICATIONS SECURITY	Ю				
36	35139B	DMA EXPLÖITATIÖN PRÖGRAM	ю			165,407	241,675 U
			2	INCI ACCIEIEN		PAGE D-2	

DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

		FY	1985 R D	AGENCIES T & E PROGRAM	АМ	EX	EXHIBIT R-1
APPR	APPROPRIATION: 0400 D	RESEARCH DEVELOPMENT TEST +	EVAL, DEF AGENCIES			DATE: 01	FEB 1984
					1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	1
L I NE NG	ELEMENT NUMBER	ITEM NÖMENCLATURE		FY 1983	FY 1984	FY 1985	FY 1986 C
37	35140L	EMERGENCY PREPAREDNESS	Ю		009	3,950	783 U
38	35159B	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	ın	46,255	108,939	18,290	
8	351591	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	ľ	124,120	318,186	380,713	
4	351676	COMPUTER SECURITY	ιo				
4	35884L	INTEL PLAN AND REVIEW ACTYS	ro.				
4	358856	TACTICAL CRYPTØLØGIC ACTIVITIES	מו				
	INTELL	INTELLIGENCE AND COMMUNICATIONS		974,009	1,382,181	1,708,531	1,851,941
43	63702D	SPECIAL TECHNOLOGY OFFICE/USDR&E	ဖ		4,700	7,950	4,964 U
4	63703D	COUNTER INSURGENCY & SPECIAL TECH	ø			10,136	2,482 U
45	637058	MANUFACTURING TECHNØLØGY	ø		1,000	3,100	10,000 U
46	65104D	TECHNICAL SUPPORT TO USDR/E	φ	14,568	28,170	21,421	28,037 U
47	65106D	GENERAL SUPPORT FOR PA/E	ω	1,825	1,959	3,231	5,314 U
48	65107D	SUPPORT TO POLICY	9	5, 294	2,938	7,714	10,227 U
9	65108D	GENERAL SUPPORT FOR NET ASSESSMENT	ဖ	3,097	3,721	4,801	5,375 U
20	65109D	GENERAL SUPPORT FOR MRA/L	ဖ	2, 335	2,350	2,939	4,404 U
5	65112E	TECHNICAL ANALYTICAL SUPPORT	ω			15,000	20,000 U
52	65502E	SMALL BUSINESS INNOVATIVE RESEARCH	ဖ	009			ם
53	658018	DEFENSE TECHNICAL INFO CENTER	ဖ	16,000	16,235	18,988	24,467 U
54	658028	INFORMATION ANALYSIS CENTERS	ဖ	4,000	4,315	4,168	5,011 U
55	65805E	TRI-SERVICE NATL LASER TEST RANGE	ဖ		25,000		ם

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APPROPRIATION: 0400 D RESEARCH DEVELOPMENT LINE ELEMENT NO NUMBER  56 65898E MGT HQ (RESEARCH/DEVELOPMENT 57 01015D TECHNOLOGY TRANSFER FUNCTION DEFENSEWIDE MISSION SUPPORT
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UNCLASSIFIED

#### DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

SUMMARY

DATE: 01 FEB 1984

EXHIBIT R-1

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	THOUSANDS OF	OF DOLLARS
	FY 1983	FY 1984	FY 1985	FY 1986
		1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
SUMMARY RECAP OF RESEARCH CATEGORIES				
MANAGEMENT AND SUPPORT	55,000	49,000	62,000	72,055
OF A COMPANY TO MAKE A COMPANY OF A COMPANY	1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	1 6 1 6 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 (	1
THE THOUSE AND DEVELOPMENT OF THE TRUESMAN OF	000,66	49,000	62,000	72,055
TÖTAL DIRECTÖR ÖF TEST + EVALUATIÖN, DEFENSE	55,000	49,000	62,000	l I
SUMMARY RECAP OF BUDGET ACTIVITIES				
DEFENSEWIDE MISSION SUPPORT	55,000	49,000	62,000	72,055
TÖTAL DIRECTÖR ÖF TEST + EVALUATIÖN, DEFENSE	55,000	49,000	62,000	72,055
SUMMARY RECAP OF FYDP PROGRAMS				
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	55,000	49,000	62,000	72,055
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	55,000	49,000	62,000	72,055

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UNCLASSIFIED

#### DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

EXHIBIT R-1

FY 1985 FY 1986 C 13,655 U THOUSANDS OF DOLLARS DATE: 01 FEB 1984 12,000 10,800 FY 1984 FY 1983 11,600 ACT ဖ APPROPRIATION: 0450 D DIRECTOR OF TEST + EVALUATION, DEFENSE I TEM NOMENCLATURE 65111D FOREIGN WEAPONS EVALUATION PRØGRAM LINE ELEMENT NØ NUMBER

58,400 U

50,000

38,200

43,400

ဖ

72,055

62,000

49,000

55,000

TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE

65804D TEST AND EVALUATION
DEFENSEWIDE MISSION SUPPORT

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PAGE

DEFENSE MAPPING AGENCY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPRC	JPRIATION	APPRÖPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	F AGENCIES	(0		DATE: 01	DATE: 01 FEB 1984
	PRØGRAM		: : : : : : : : :			THOUSANDS OF DOLLARS	IF DØLLARS
LINE NG		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
27	62716B	MAP/CHART/GEGDESY	IO			513	1.052 U
28	63701B	MAP/CHART/GEØDESY INV/PRØTØTYPE DEV	ľ	15,326	15, 634	14,961	14,787 U
29	64701B	MAP/CHART/GEÖDESY ENGR DEV/TEST	ľ	8,719	5, 569	8,273	9,668 U
36	35139B	DMA EXPLGITATION PROGRAM	ſΩ			165,407	241,675 U
38	35159B	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	Ŋ	46,255	108,939	18,290	•
	INTELL	INTELLIGENCE AND COMMUNICATIONS		70,300	130,142	207,444	
TOTAL		DEFENSE MAPPING AGENCY		70,300	130,142	207,444	
			ONC	UNCLASSIFIED	<u>.</u>	PAGE D-7	

# DEPARTMENT OF DEFENSE (OSD AND OASDS) FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984 THOUSANDS OF DOLLARS APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

	PAGE D-8			;			
3,862,559	1,846,112	95,993	29,119		DEPARTMENT OF DEFENSE (OSD AND OASDS)		TÖTAL
62,759	59,112	45,993	29,119		DEFENSEWIDE MISSION SUPPORT	DEFENS	
1,956 U	920	2,155	2,000	ဖ	TECHNOLOGY TRANSFER FUNCTIONS	01015D	52
4,40 <b>4</b> U	2, 939	2,350	2, 335	ဖ	GENERAL SUPPORT FOR MRA/L	65109D	20
5,375 U	4,801	3,721	3,097	ဖ	GENERAL SUPPORT FOR NET ASSESSMENT	65108D	49
10,227 U	7,714	2,938	5, 294	မ	SUPPORT TO POLICY	65107D	48
5,314 U	3,231	1,959	1,825	ဖ	GENERAL SUPPÖRT FÖR PA/E	65106D	74
28,037 U	21,421	28,170	14,568	ဖ	TECHNICAL SUPPORT TO USDR/E	65104D	46
2,482 U	10,136			မ	COUNTER INSURGENCY & SPECIAL TECH	63703D	4
4,964 U	7,950	4,700		ø	SPECIAL TECHNÖLÖGY ÖFFICE/USDR&E	63702D	<u>გ</u>
3,799,800	1,787,000	50,000			ADVANCED TECHNOLOGY DEVELOPMENT	ADVANC	
10,000 U	10,000	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	Ø	JOIN DOD-DOE MUNITIONS TECH DEV	63225D	8
270,800 U	112,000	10,000		N	SUPPØRT PRØGRAMS	63224D	17
137,50a U	000'66	10,000		N	SYSTEMS CONCEPT AND MANAGEMENT	63223D	9
870,300 U	356,000	10,000		α	CONVENTIONAL WEAPONS	63222D	5
1,020,000 U	489,000	10,000		<b>N</b>	DIRECTED ENERGY	63221D	<u>-</u>
1,491,200 U	721,000	10,000		Ø	SURVIELLANCE, ACQUISTION AND TRACK	63220D	13
FY 1986 C	FY 1985	FY 1984	FY 1983	ACT	ITEM NOMENCLATURE	ELEMENT	L I NE NG
į	THOUSANDS OF DOLLARS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i		PPAGRAM	

# DEFENSE ADVANCED RESEARCH PRÖJECTS AGENCY FY 1985 R D T & E PRÖGRAM

EXHIBIT R-1

APPRGPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

ло мо - ю 4 го с ппх	PROGRAM ELEMENT NUMBER					THOUSANDS OF DOLLARS	JF DØLLARS	
	LEMENT		-					_
- w 4 w w		ITEM NOMENCLATURE	ACT .	FY 1983	FY 1984	FY 1985		
ω 4 rv rα	61101E	DEFENSE RESEARCH SCIENCES	-	104,258	108,600	102,500	119,300 U	_
4 N C	62101E	TECHNICAL STUDIES	-	1,000	1,200	1,500	1.800 U	_
ی م <u>ا</u>	62107E	THIRD GENERATION DEFENSE TECHNOLOGY	-		8,000		· ⊃	_
Œ	62301E	STRATEGIC TECHNOLGGY	-	163,897	205, 500	150,700	249,700 U	_
•	62702E	TACTICAL TECHNÖLÖGY	•-	83,853	99, 437	109,000	131,000 U	_
^	62707E	PARTICLE BEAM TECHÖLÖGY	-	36,277	33,100	17,400	32,400 U	
σ.	62708E	INTEGRATED COMD/CONTROL TECH	-	48,407	48,000	53,000		_
Ø	62711E	EXPERIMENTAL EVAL MAJ INNOVATIVE TECH	-	244,770				_
10	62712E	MATERIALS PRÖCESSING TECH	-	17,153	23, 700	29, 200	37.10a U	_
=	62714E	NUCLEAR MONITORING	-	17,935	16,500	20,500		
	TECHNOLOGY	LŐGY BASE		717,550	544,037	483,800		
19	63226E	EXP EVAL OF MAJOR INNOVATIVE TECH	Q		283,615	204,300	200,000 U	
51	65112E	TECHNICAL ANALYTICAL SUPPGRT	9			15,000		
52	65502E	SMALL BUSINESS INNOVATIVE RESEARCH	ဖ	009				
52	65805E	TRI-SERVICE NATL LASER TEST RANGE	ဖ		25,000		·	
56	65898E	MGT HQ (RESEARCH/DEVELØPMENT)	ဖ	10,450	11,400	11.430	11,812 U	
	DEFENS	DEFENSEWIDE MISSION SUPPORT		11,050	36,400	26,430		
TOTAL	DEFENS	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY		728,600	864,052	714,530	886, 912	
	٠			TOOK CALL	<b>u</b> -	PAGE D-9		

NATIONAL SECURITY AGENCY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984 APPRØPRIATIØN: 0400 D RESEARCH DEVELØPMENT TEST & EVAL DEF AGENCIES

! ! !	 					THGUSANDS OF DOLLARS	F DØLLARS
LINE	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	! '	FY 1985 FY 1986 C
30	310116	CRYPTØLØGIC ACTIVITIES	N)				
3	334016	COMMUNICATIONS SECURITY	Ŋ				
40	351676	COMPUTER SECURITY	Ю				
42	358856	TACTICAL CRYPTOLOGIC ACTIVITIES	ſΩ				
	INTELL	INTELLIGENCE AND COMMUNICATIONS					

TOTAL NATIONAL SECURITY AGENCY

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# DEFENSE NUCLEAR AGENCY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

APPROPRIATI	APPROPRIATION: 0400 D RESEARCH DEVELCHPMENT TEST & EVAL DEF AGENCIES	EF AGENCIE	& EVAL DEF AGENCIES		DATE: 01	DATE: 01 FEB 1984
PROGRAM		1			THOUSANDS OF DOLLARS	F DOLLARS
LINE ELEMENT NG NUMBER	IT : ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
12 62715	62715H DEFENSE NUCLEAR AGENCY	-	314,000	321,458	347,014	389,102 U
TÖTAL DEFEI	DEFENSE NUCLEAR AGENCY		314,000	321,458	347,014	389,102
		ÖND	UNCLASSIFIED	<b>L</b>	PAGE D-11	

DEFENSE RECONNAISSANCE SUPPORT PROGRAM FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPR	<b>GPRIATION</b>	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	- AGENCIE	Ø		1	DATE: 01 FEB 1984
! ! !		1	; ; ; ; ;			-	JF DÖLLARS
	PROGRAM		1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<b>8</b>
L I NE NG	ELEMENT	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
စ	351591	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	Ŋ	124,120	318,186	380,713	
TOTAL	L DEFENS	DEFENSE RECONNAISSANCE SUPPORT PROGRAM		124,120	318, 186	380,713	

UNCLASSIFIED

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DEFENSE COMMUNICATIONS AGENCY FY 1985 R D T & E PROGRAM

EXHIBIT R-1 DATE: 01 FEB 1984 APPRÖPRIATIÖN: 0400 D RESEARCH DEVELÖPMENT TEST & EVAL DEF AGENCIES

: ! !		2,443 U	Þ	0 803 O	⊃	28,994 U	15,905 U	54,702	2,123 U	10,192 U	4,622 U	14,814	74,082	
YF DÖLLAR	FY 1986	8	•	ຶ້	•	28,	15,	54,	ั้ง	10,	4	14,	74,	
THOUSANDS OF DOLLARS	FY 1985	2,011		12,064	1,530	30,637	15,213	59,444	2,134	9, 937	8,244	18,181	81,770	PAGE D-13
	FY 1984	1,882	1,227	15,317	7,868	39,452	12,613	76,477	2,060	20,866	3,119	23,985	104,404	<b>a</b> .
	FY 1983		1,262	8,490	22,861	42,503	9,845	84,961	700	19,424	4,490	23,914	109,575	UNCLASSIFIED
ľ	ACT	Ν	ო	ო	ო	ო	ო		4	ស	ιΩ			NA A
	I TEM NOMENCLATURE	COMMAND AND CONTROL RESEARCH	WWMCCS ARCHITECTURE	NMCS-WIDE SUPPORT	WWMCCS ADP-JTSA	WWMCCS SYSTEM ENGINEER	MINIMUM ESSENTIAL EMER COMM NETWORK	STRATEGIC PROGRAMS	CINC C2 INITIATIVES	LØNG-HAUL CØMMUNICATIØNS (DCS)	SUPPORT OF THE NCS	INTELLIGENCE AND COMMUNICATIONS	DEFENSE COMMUNICATIONS AGENCY	
	ELEMENT NUMBER	35108K	63735K	32016K	32017K	32019K	33131K	STRATE	21135K	33126K	33127K	INTELL		
	L I NE NG NG	20	2	22	23	24	22		56	33	34		TÖTAL	

DEFENSE INTELLIGENCE AGENCY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPR	OPRIATION	PMENT	DEF AGENCI	ES		DATE: 01	DATE: 01 FEB 1984
	PROGRAM	PROCRAM MAKE THE PROCESS OF THE PROC	1			THOUSANDS OF DOLLARS	HOUSANDS OF DOLLARS
L I N	LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT		FY 1984	FY 1985	FY 1985 FY 1986 C
9	31301L	GENERAL DEFENSE INTELLIGENCE PROGRAM	Ŋ				
32	31398L	MANAGEMENT HEADQUARTERS GDIP	ល	233	339		כ
37	35140L	EMERGENCY PREPAREDNESS	ľ		009	3,950	783 U
4	35884L	INTEL PLAN AND REVIEW ACTYS	ស				
	INTELL	INTELLIGENCE AND COMMUNICATIONS					

TOTAL DEFENSE INTELLIGENCE AGENCY

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#### DEFENSE LÖGISTICS AGENCY FY 1985 R D T & E PRÖGRAM

EXHIBIT R-1 DATE: 01 FEB 1984 APPRÖPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

	PAGE D-15	۵.	UNCLASSIFIED	Ň			
39,478	26,256	21,550	20,000		DEFENSE LOGISTICS AGENCY		TÖTAL
39,478	26,256	21,550	20,000		DEFENSEWIDE MISSION SUPPORT	DEFENS	
5,011 U	4,168	4,315	4,000	ဖ	INFORMATION ANALYSIS CENTERS	65802S	<b>5</b>
24,467 U	18,988	16,235	16,000	ω	DEFENSE TECHNICAL INFO CENTER	658018	53
10,000 U	3,100	1,000		ဖ	63705S MANUFACTURING TECHNOLOGY	637058	<b>4</b>
FY 1986 C	FY 1985	FY 1984	FY 1983	ACT	ITEM NOMENCLATURE		LI NE NG
THOUSANDS OF DOLLARS	THOUSANDS OF DOLLARS			!		PRØGRAM	

SCIENCES	
UNIVERSITY HEALTH	R D T & E PROGRAM
UNIFORMED SERVICES	FY 1985

		FY 1985 F	FY 1985 R D T & E PROGRAM	AAM SCIENCES	Ä	EXHIBIT R-1
PROPRIATIO	VELOPMENT	DEF AGENCIE				DATE: 01 FEB 1984
PROGRAM					THØUSANDS ØF DØLLARS	THCUSANDS OF DOLLARS
LINE ELEMENT NG NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
2 61101W	61101W IN-HOUSE LAB INDEPENDENT RESEARCH	-	1,800	1,767	1,874	1,991 U
TOTAL UNIFO	UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES	,	1,800	1,767	1,874	1,991
				<b>L</b>	PAGE D-16	

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